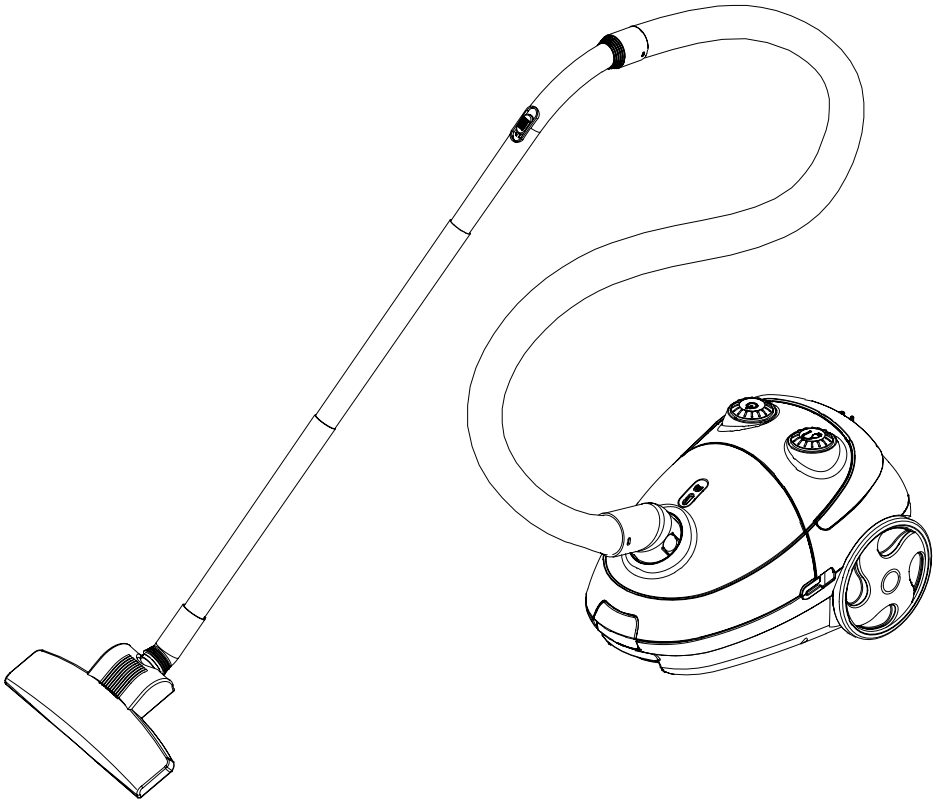
S/M No. : RC370BFEF0

Service Manual

Vacuum Cleaner

Model: RC-370F/RC-370B



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DAEWOO ELECTRONICS CO., LTD.

http : //svc.dwe.co.kr **Aug. 2002**

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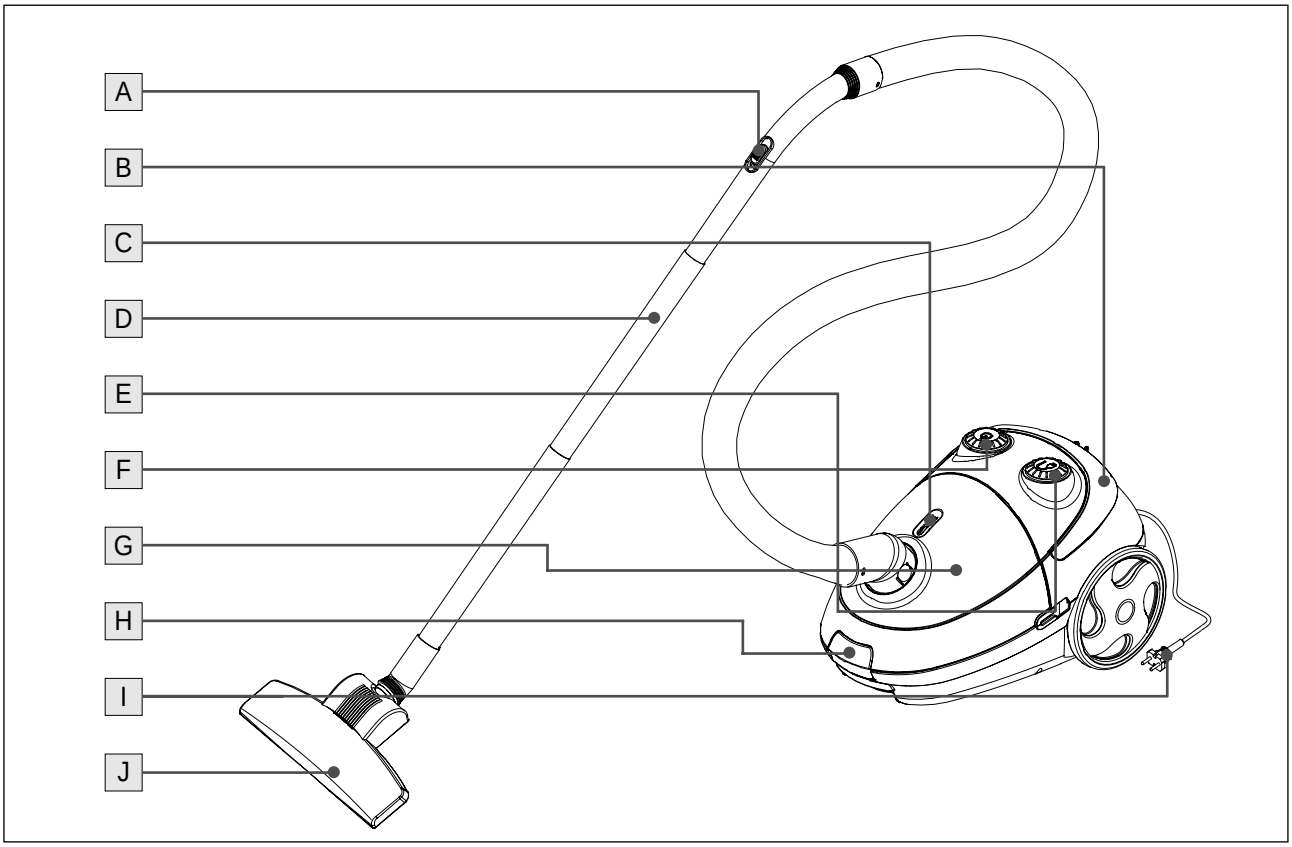
1. SPECIFICATIONS

Model	RC-370
Rated Voltage	AC 230V
Frequency	50Hz
Input Watt	1400W
Suction Power	250W
Weight(Body)	3.5Kg
Dimension(LXHXD)	376 X 278 X 238 mm
Cord Length	5.4m
Nozzle	Crevice Nozzle

2. EXTERNAL VIEWS

2-1. ASSEMBLY

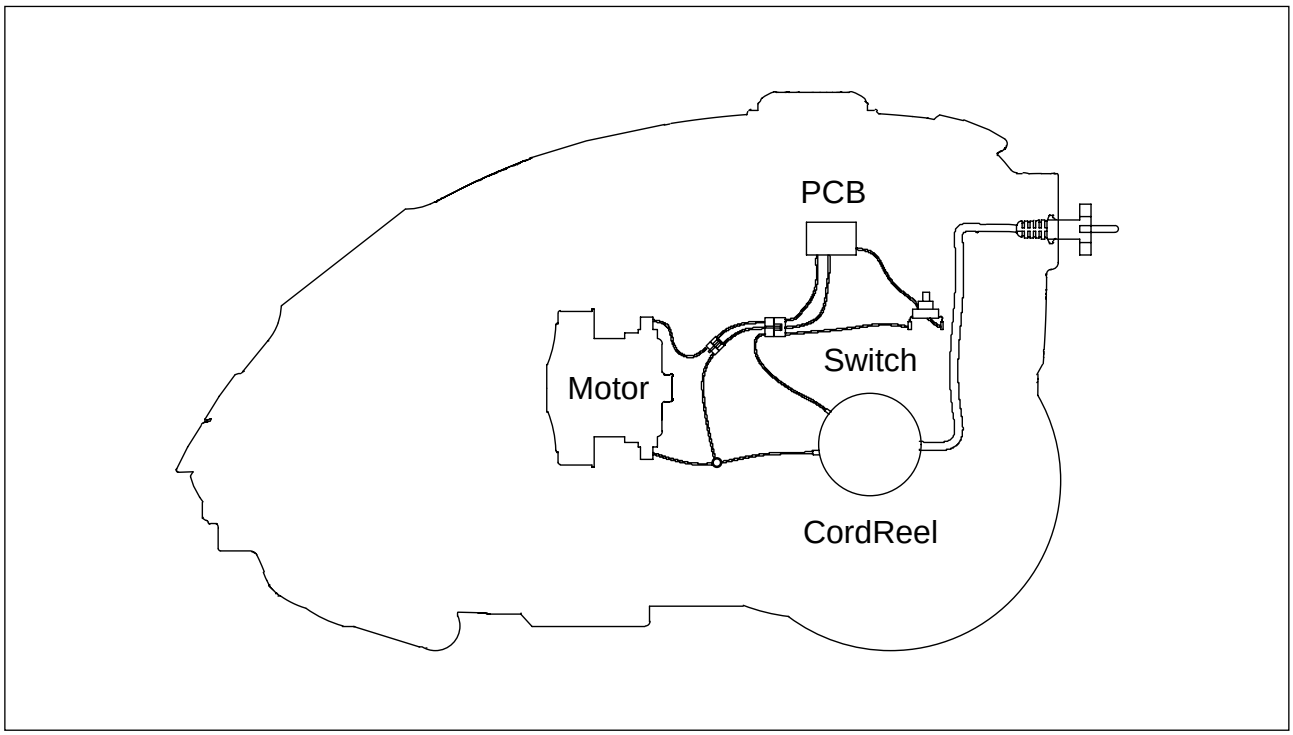
PART NAME	MODEL	
	RC-370F	RC-370B
A - HOSE HANDLE	○	○
B - BODY HANDLE	○	○
C - DUST METER	○	○
D - PIPE	○	○
E - CORD REWIND BUTTON	○	○
F - SWITCH BUTTON	○	○
G - DUST COVER	○	○
H - ADAPTER	○	○
I - POWER CORD	○	○
J - BRUSH	○	○



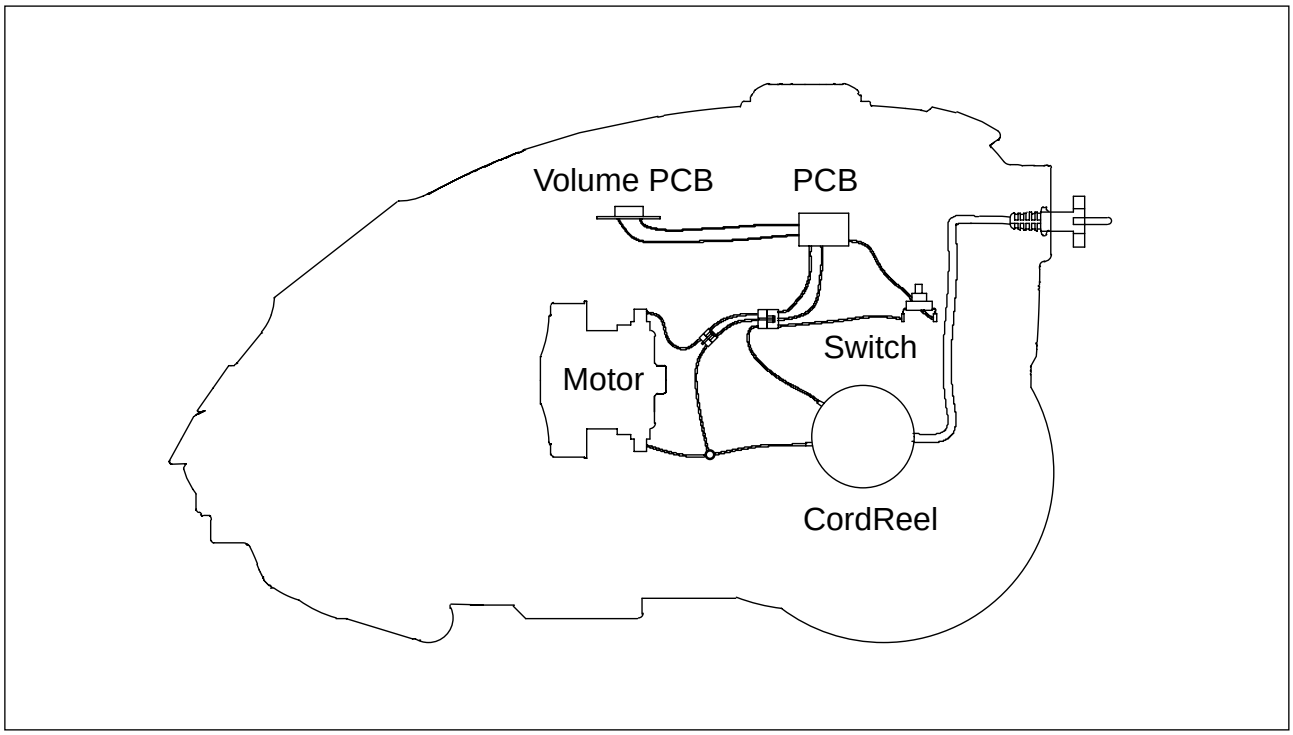
3. DIAGRAM

3-1. WIRING DIAGRAM

■ MODEL : RC-370F

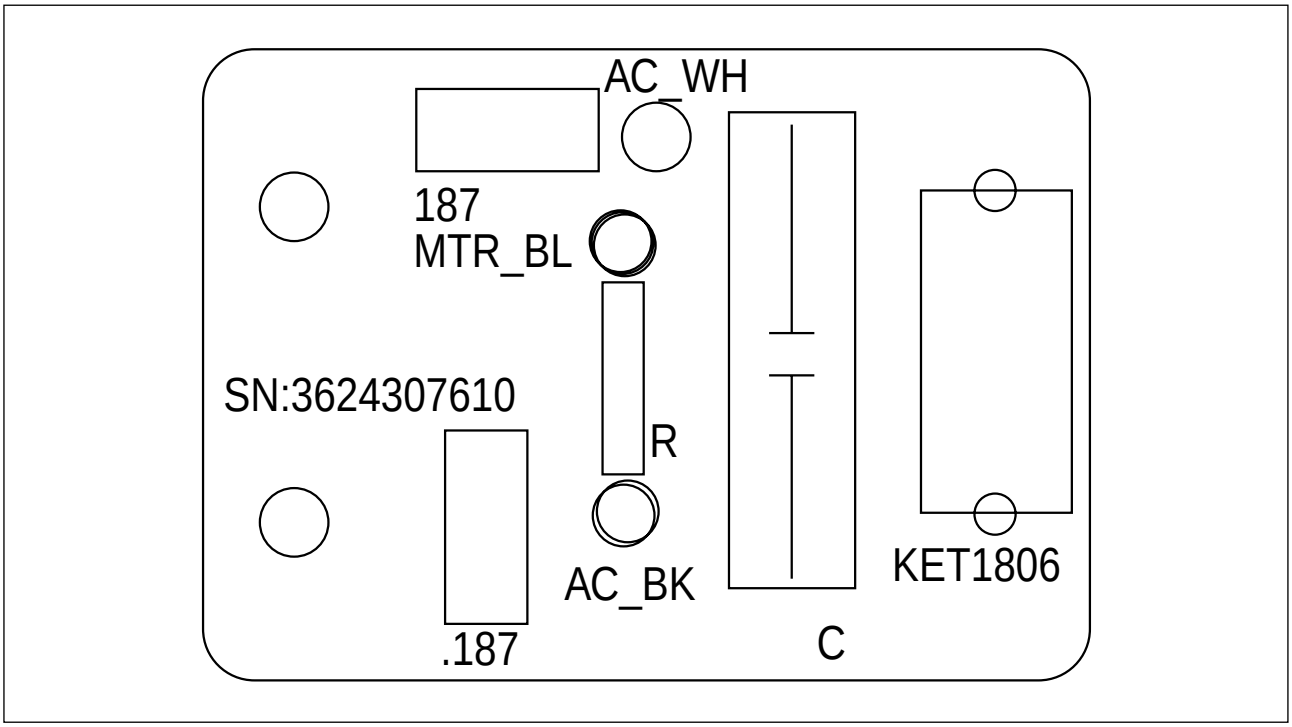


■ MODEL : RC-370B

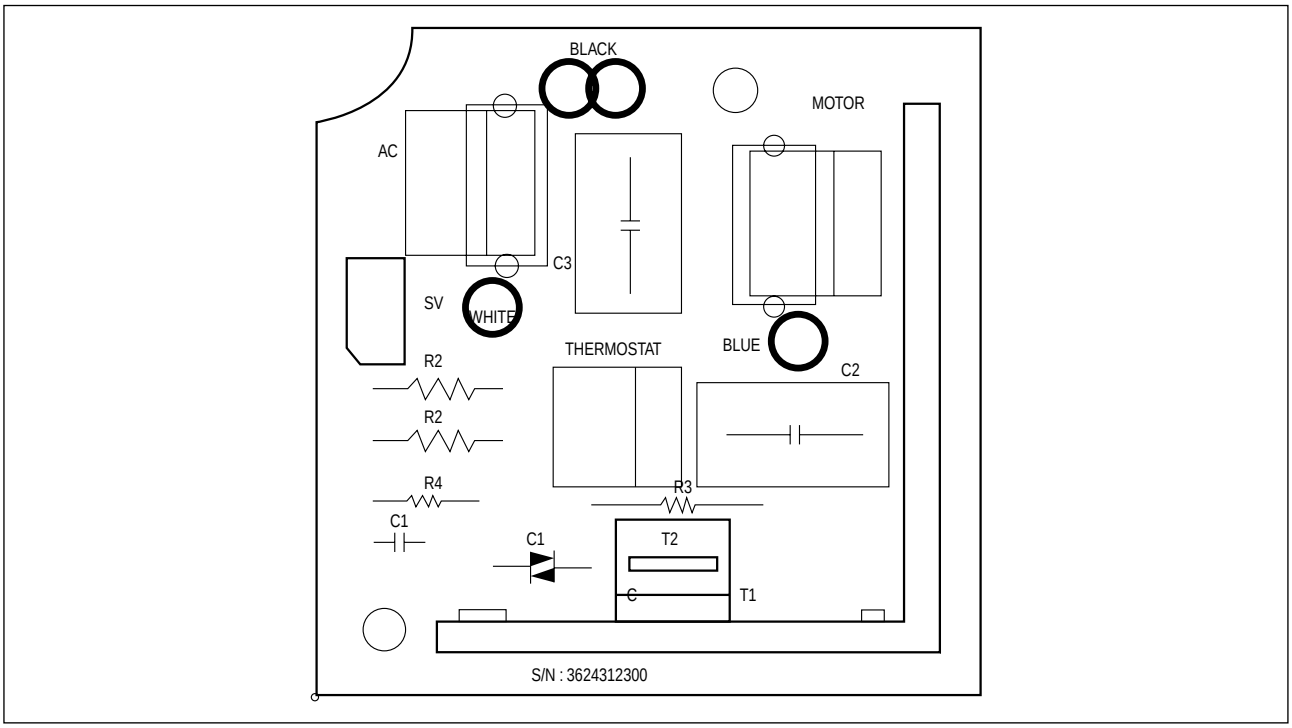


3-2. CIRCUIT DIAGRAM

■ MODEL : RC-370F



■ MODEL : RC-370B



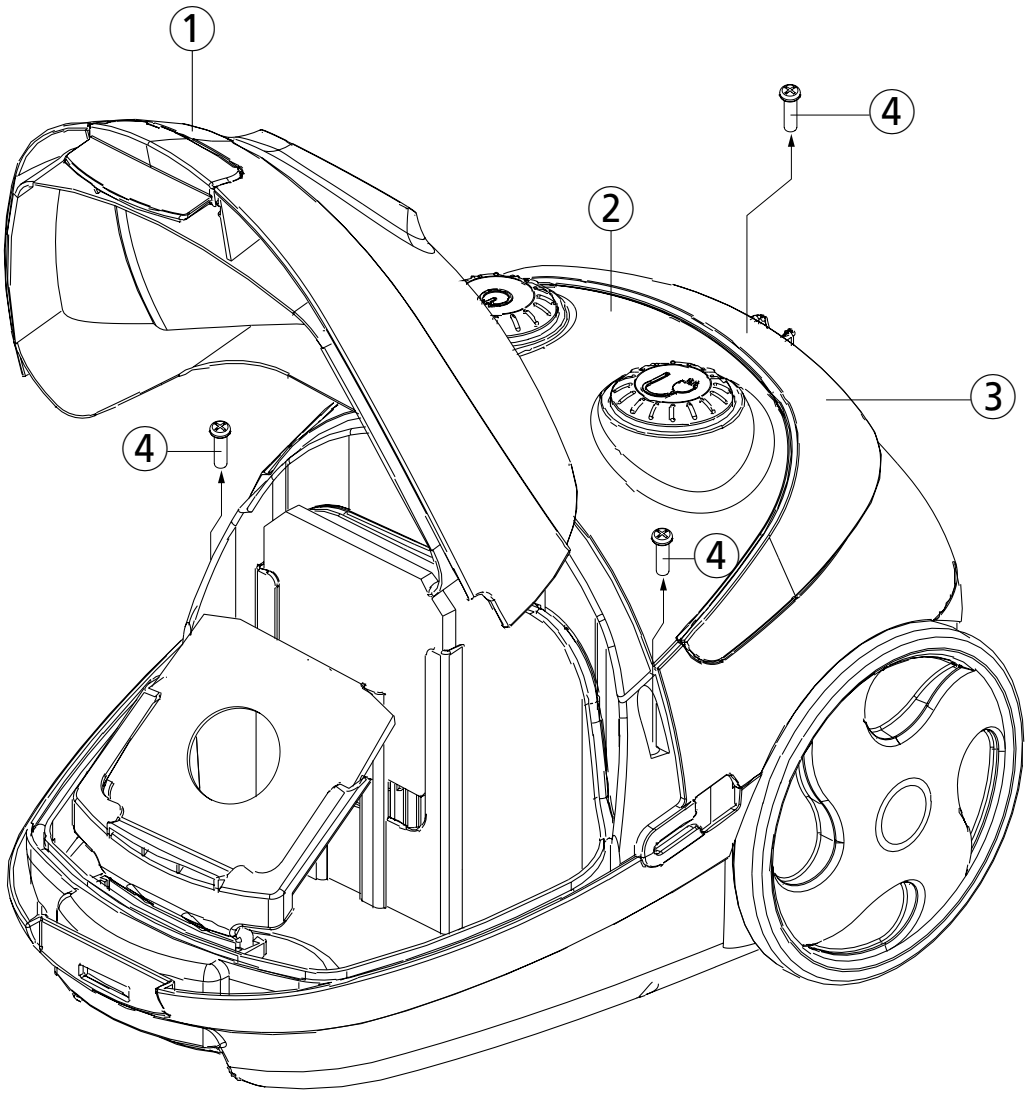
4. TROUBLE SHOOTING GUIDE

TROUBLE	CAUSE	COUNTERMEASURE
SUCTION POWER IS WEAK	FILTER BAG(PAPER) IS FULL WITH DUST	CHANGE IT WITH NEW ONE (SEE 5-2)
	FILTER PRE IS CLOGGY WITH DUST	REMOVE THE DUST (SEE 5-2)
	CLOGGING OR TEAR IN HOSE	REMOVE OBSCTACLE OR REPLACE THE HOSE (SEE 5-6)
	DEFECTIVE MOTOR	REPLACE THE MOTOR (SEE 5-3)
	THE OPENING IN BRUSH IS CLOGGY WITH DUST	REMOVE THE DUST (SEE 5-7)
CLEANER DOES NOT WORK	BREAKING IN POWER CORD (AT BLADE TIP OR ROOT OF PLUG)	REPLACE THE POWER CORD (SEE5-4)
	BREAKING OF CONNECTIONS IN HOSE ASSEMBLY	REPAIR (SEE 5-6)
	DEFECTIVE SLIDE VOLUME LOCATED IN HOSE HANDLE	REPLACE IT (SEE 5-6)
	DEFECTIVE PCB ASSEMBLY	REPLACE IT (SEE 5-5)
	BREAKING OF CONNECTIONS OR POOR CONTACTS IN CORD REEL ASSEMBLY	REPAIR (SEE 5-4)
	DEFECTIVE MOTOR	REPLACE IT (SEE 5-3)
	BREAKING OF CONNECTIONS IN BODY ASSEMBLY	REPAIR (SEE 5-2)
	BREAKING IN A FUSE	REPLACE IT (SEE 5-5)
MOTOR DOES NOT STOP EVEN IF SWITCH	DEFECTIVE PCB ASSEMBLY	REPLACE IT (SEE 5-5)

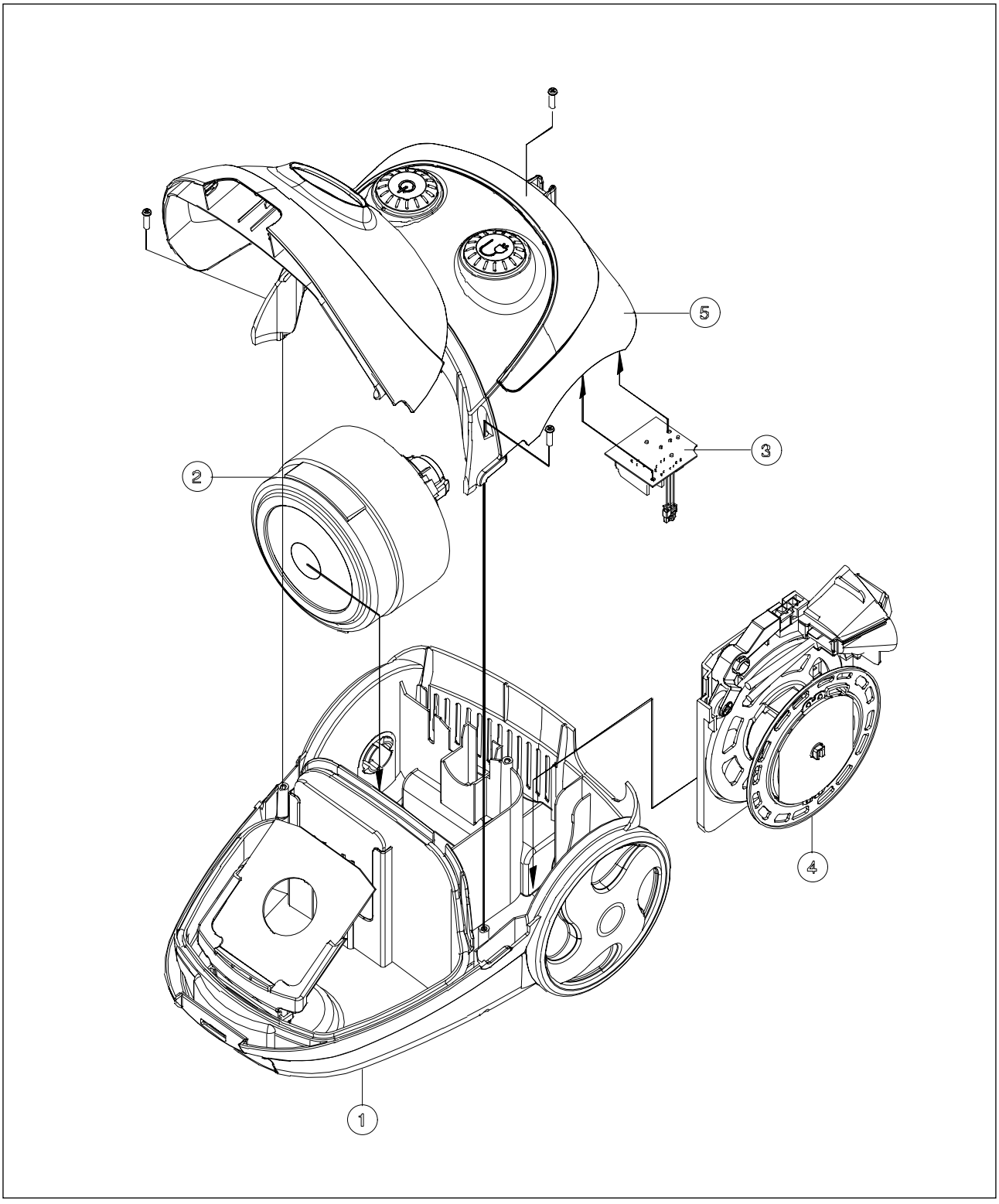
TROUBLE	CAUSE	COUNTERMEASURE
POWER CORD IS NOT WOUND UP	BROKEN REEL SPRING OF CORD REEL	REPLACE IT (SEE 5-4)
	POWER CORD BROKE AWAY FROM THE BOBBIN	REPAIR (SEE 5-4)
CAUTION	BE CAREFUL WHEN BREAKING UP THE CORD REEL, THE REEL SPRING MAY SPRING OUT OF THE SPRING COVER.	
POWER CORD DOES NOT STOP AT AN ARBITRARY POSITION	ABRASION OF THE ROLLER BRAKE OF CORD REEL	REPLACE THE ROLLER BRAKE (SEE 5-4)
	LEVER SPRING BROKE AWAY FROM THE CORD REEL BRACKET	REPAIR (SEE 5-4)

5. DISASSEMBLING AND TREATMENT

5-1. CLEANER ASSEMBLY

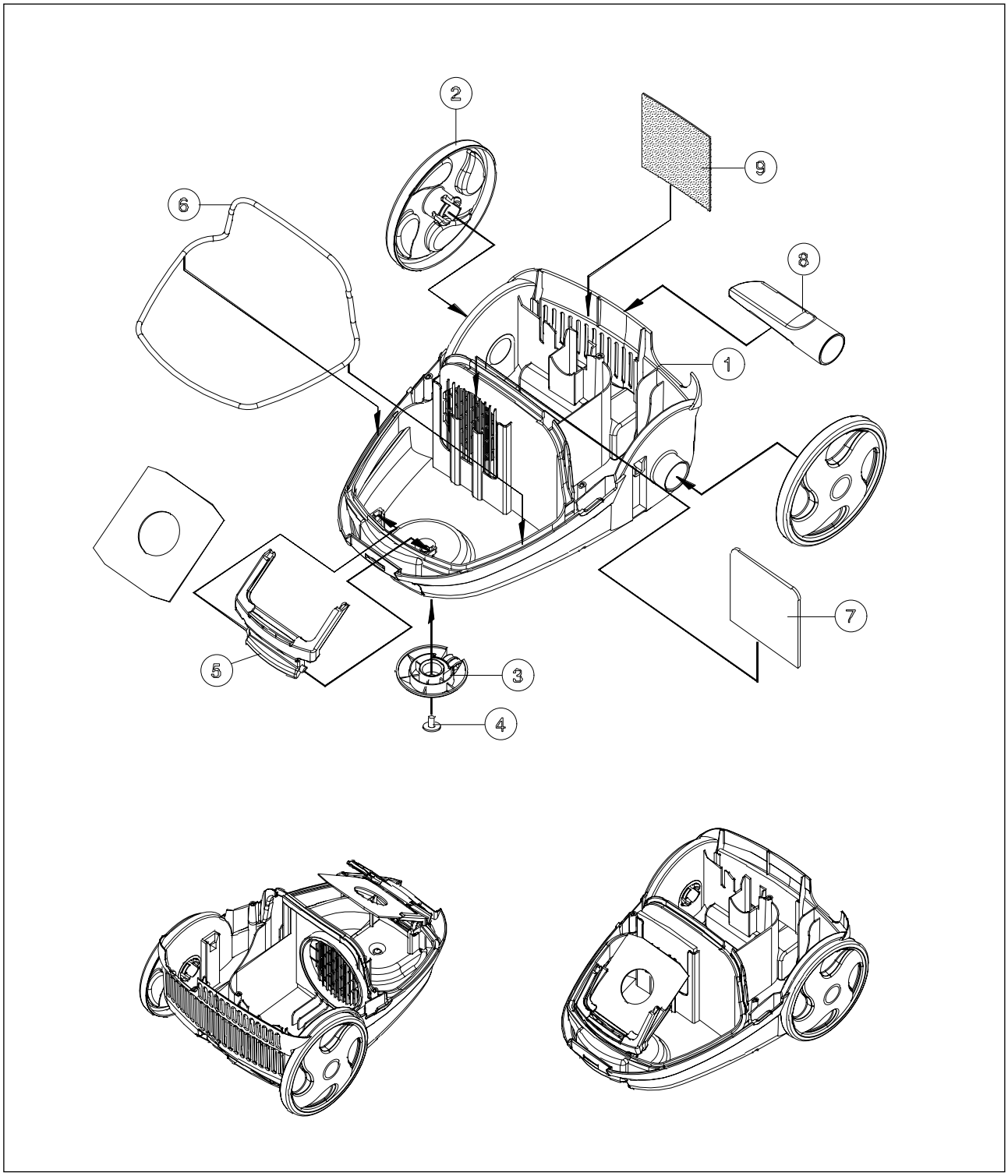


1) OPEN THE DUST COVER(1) AND UNSCREW THE 3 SCREWS(4) THEN LIFT
THE COVER ASSEMBLY(2) UP FROM THE BODY ASSEMBLY.



2) LIFT THE MOTOR ASSEMBLY(2), PCB ASSEMBLY(3), CORDREEL ASSEMBLY(4) UP FROM THE BODY ASSEMBLY(1).

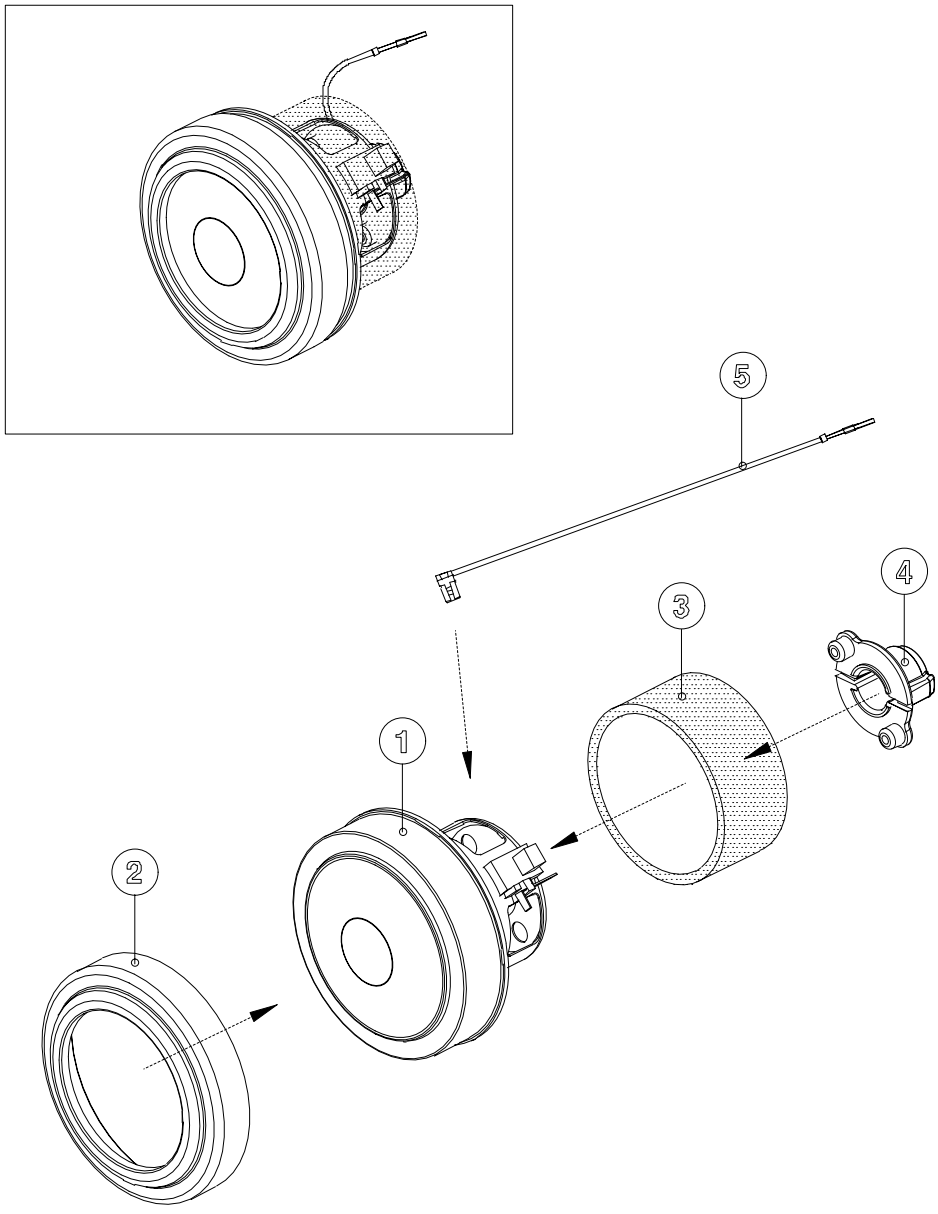
5-2. BODY ASSEMBLY



1) CHECK THE FILTER (7,9).

2) CHECK THE GASKET (6).

5-3. MOTOR ASSEMBLY

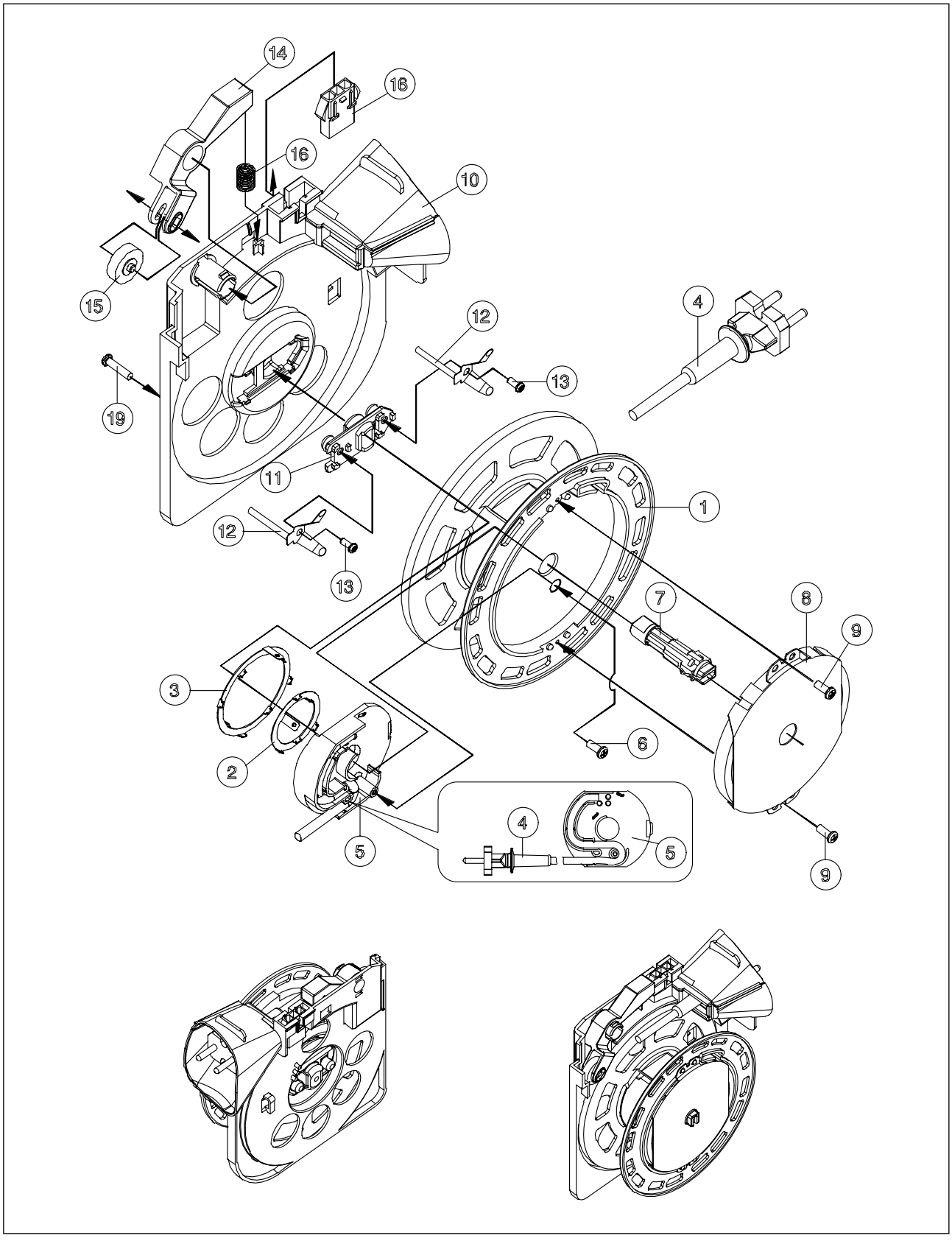


1) TAKE THE MOTOR ASSEMBLY OUT OF THE BODY.

3) CHECK THE MOTOR(1) (WHETHER THE MOTOR IS BURNT OUT OR NOT).

4) CHECK THE CONNECTION BETWEEN MOTOR TERMINAL AND THE LEADS.

5-4. CORDREEL ASSEMBLY



1) TAKE THE CORD REEL ASSEMBLY OUT OF THE COVER ASSEMBLY.

2) UNSCREW THE SCREW(13).

3) SEPARATE THE BOBBIN(1) FROM THE BRACKET(10) AND CHECK
THE CONTACTS BETWEEN THE Y TYPE TERMINALS(12) AND
THE RING TYPE TERMINALS(2,3).

4) CHECK THE LEVER SPRING(16).

5) IF THE ROLLER BRAKE(15) IS WORN OUT AND SEPARATE THE LEVER(14) FROM
THE BRACKET(10), THEN REPLACE THE ROLLER BRAKE(15).
AT THIS TIME, THE BOBBIN(1) IS ROTATED COUNTERCLOCKWISE DUE TO
THE PRESERVED WINDING.

6) IF THE REEL SPRING(8) IS BROKEN, UNSCREW THE 2 SCREWS(9) AND
REPLACE IT.

CAUTION : WHEN DISASSEMBLING, THE REEL SPRING MAY SPRING OUT OF THE COVER.

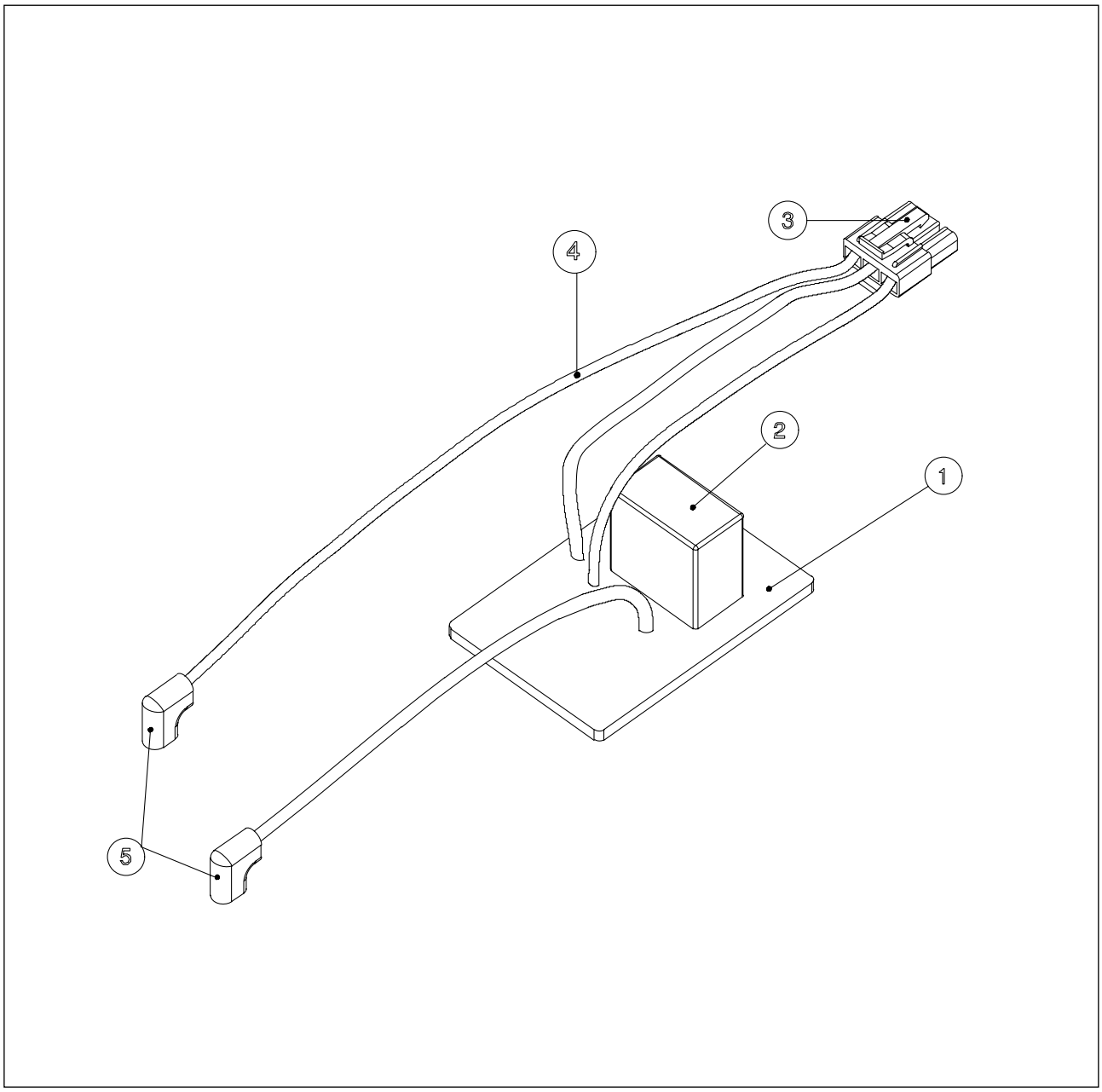
7) UNSCREW THE SCREW (6) AND SEPARATE THE HOLDER TERMINAL(5) FROM
THE BOBBIN(1).

8) CHECK THE CONNECTIONS BETWEEN THE POWER CORD(4) AND THE RING
TERMINALS(2,3).

9) WHEN ASSEMBLING, MAKE THE RESERVED WINDING 5 REVOLUTIONS OF
THE BOBBIN CLOCKWISE.

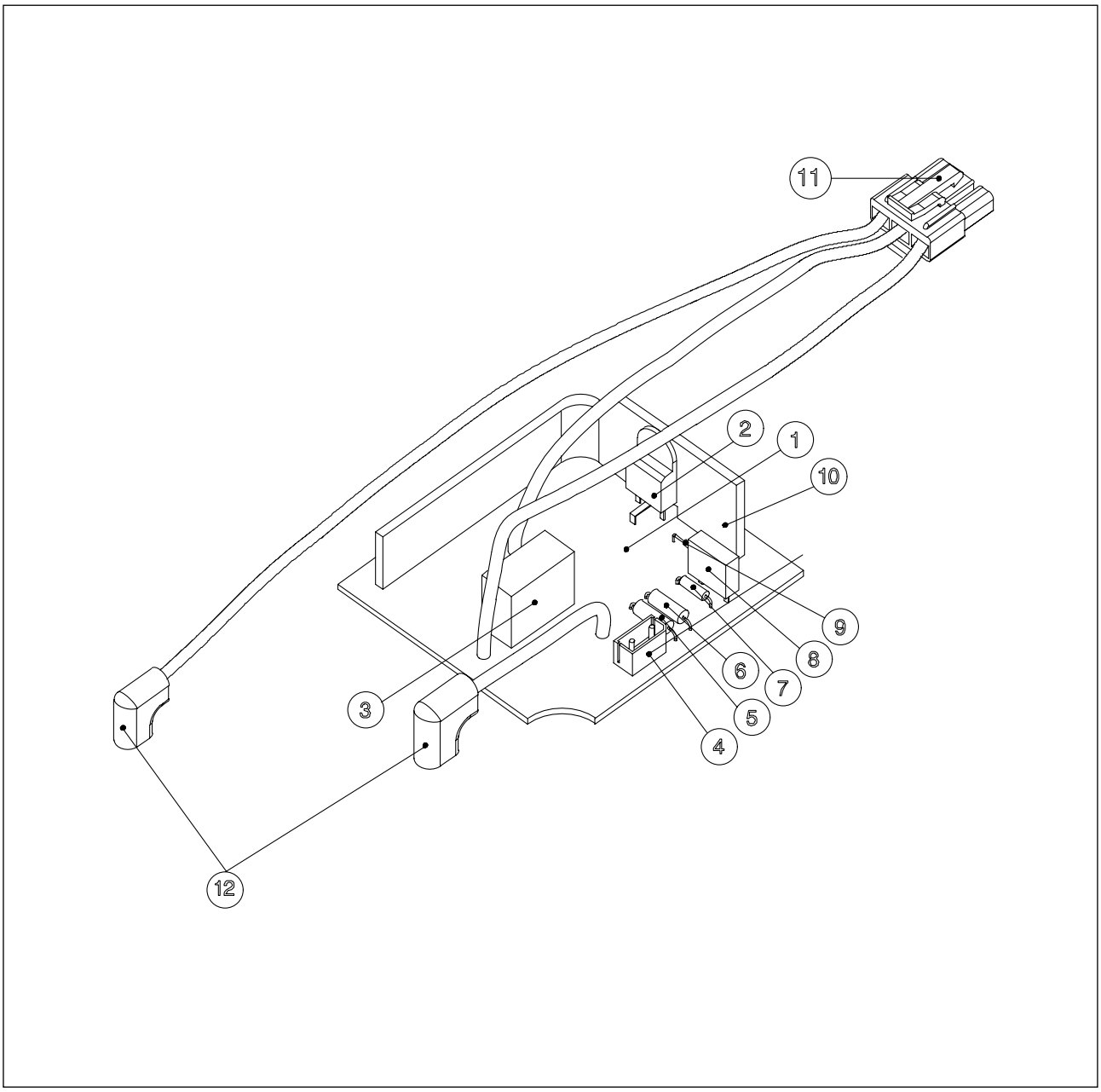
5-5. PCB ASSEMBLY

1) MODEL RC-370F



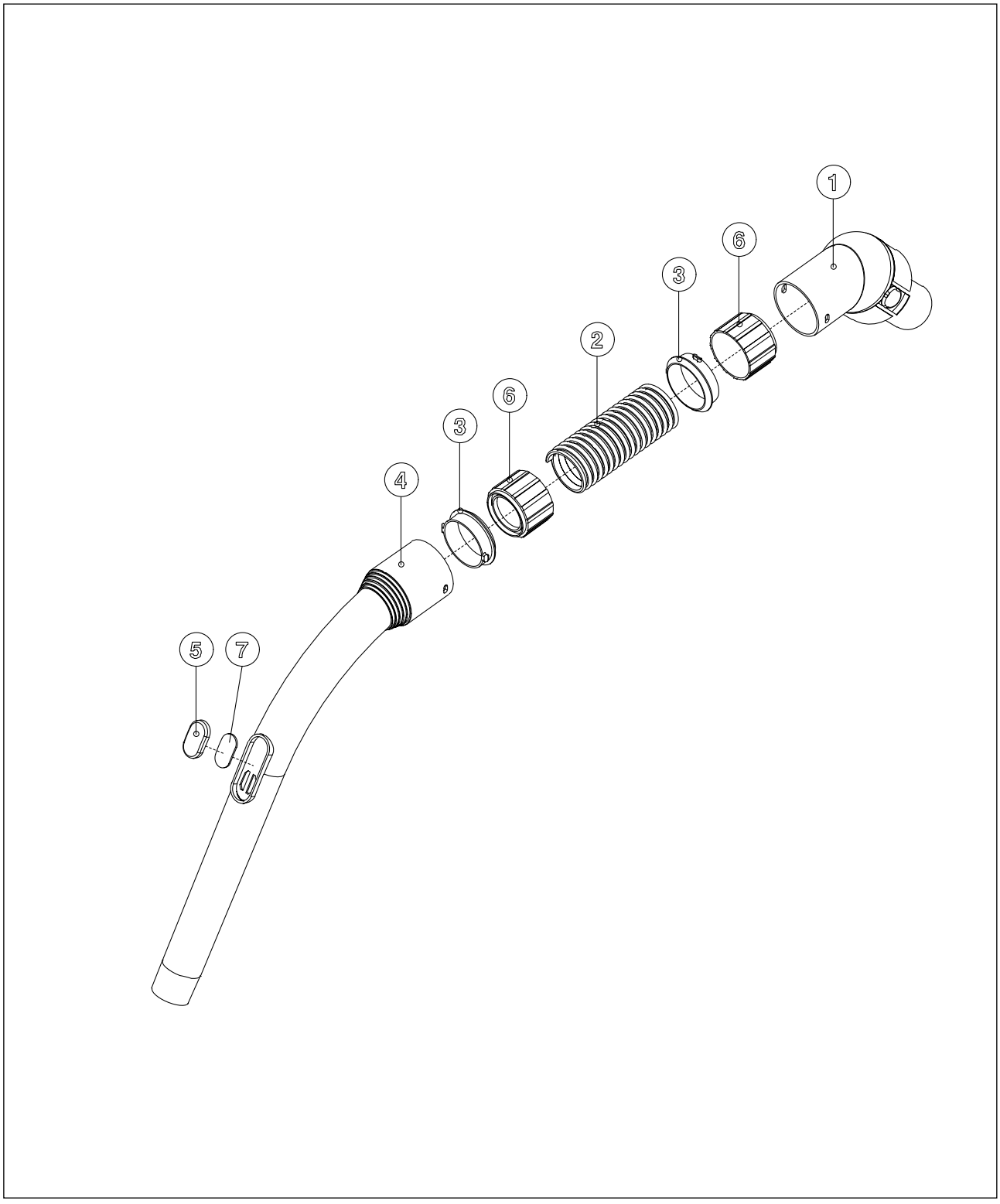
1) CHECK THE TERMINAL(5).

2) MODEL RC-370B



1) CHECK THE TERMINAL(12).

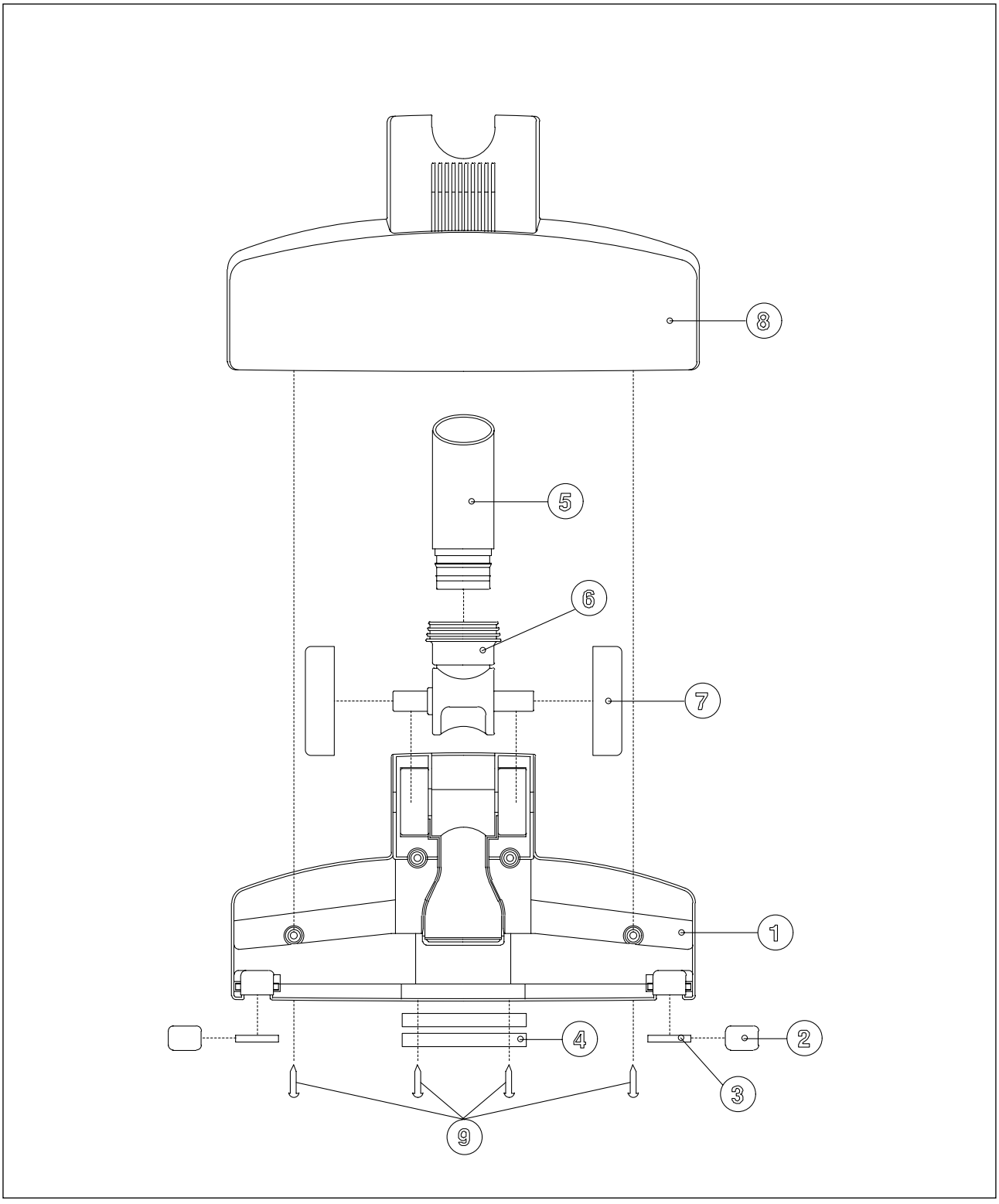
5-6. HOSE ASSEMBLY



1) CHECK THE CONNECTIONS THE ADAPTER(1) AND THE HOSE(2).

2) CHECK THE PACKING(7)

5-7. BRUSH ASSEMBLY



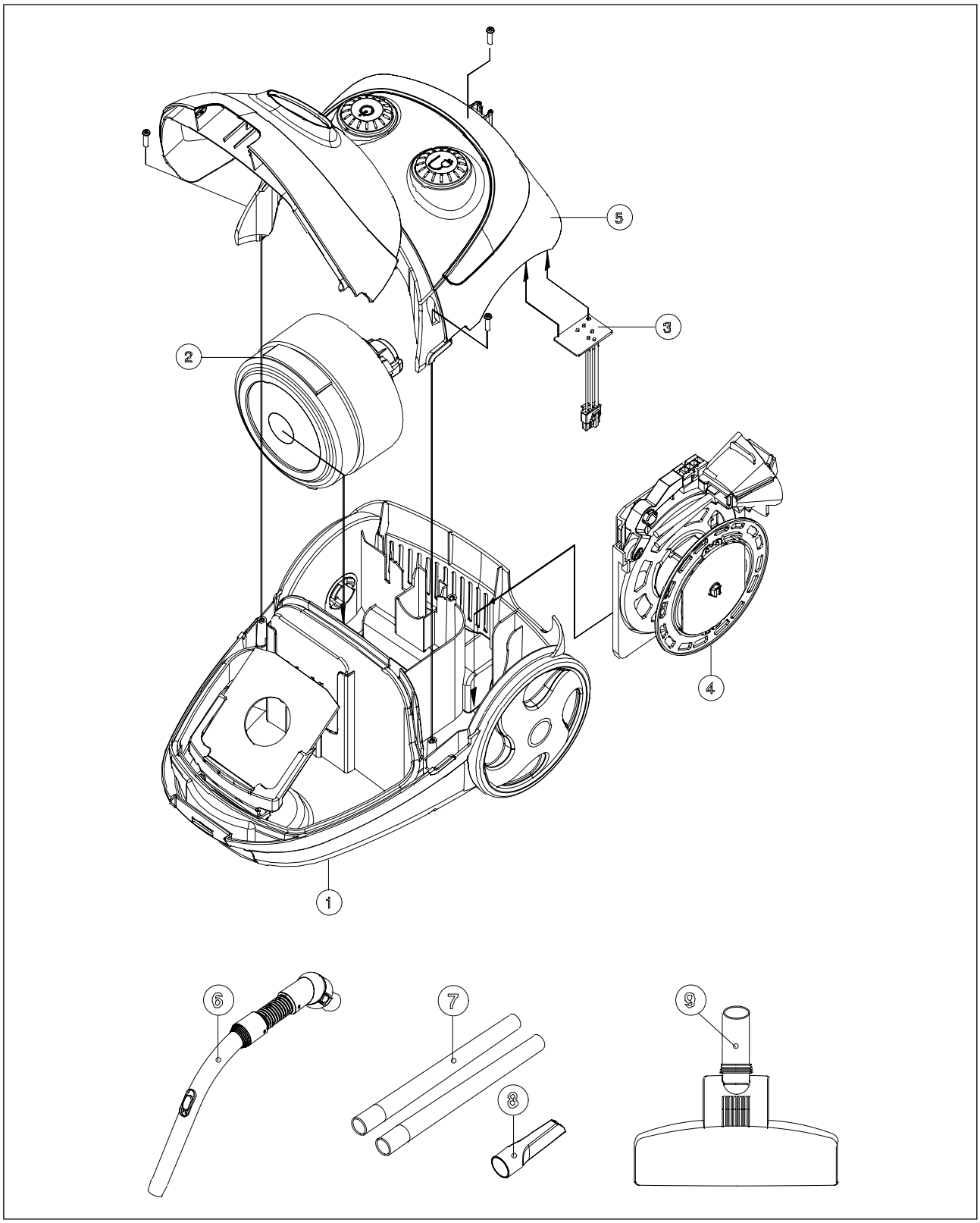
1) UNSCREW THE 4 SCREWS(13) AND SEPARATE THE COVER BRUSH(12) FROM THE BODY BRUSH(1).

2) CHECK THE OPENING OF THE NECK BRUSH(6) AND THE PIPE BRUSH(5).

6. EXPLODED VIEW AND PARTS LIST

6-1. CLEANER ASSEMBLY

1) MODEL RC-370F



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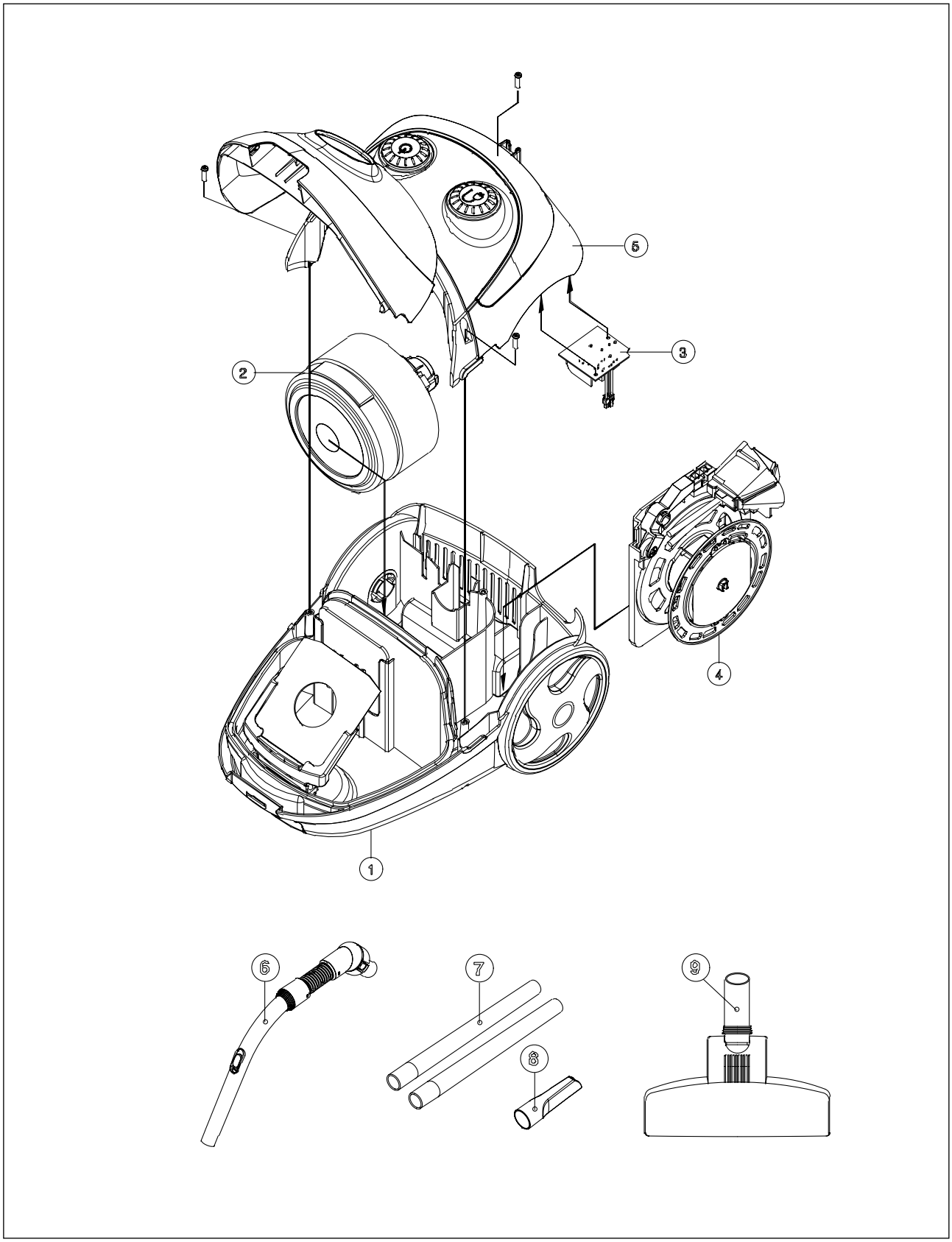
NO	PART NAME	PART CODE	SPECS.	Q'TY
1	BODY ASSY	3620411300	ASSY	1
2	MOTOR UNIVERSAL	3962511450	230V 1100W DMI	1
3	PCB POWER CONTROL AS	3624307640	ASSY(230V,50/60HZ))	1
4	CORD REEL ASSY	3629508100	ASSY(5M)	1
5	COVER ASSY	3621433600	ASSY	1
6	PIPE EXTENSION	3624408500	ASSY(PP)	2
7	NOZZLE CREVICE	3628100600	PP	1
8	HOSE ASSY	3623206200	ASSY(EVA)	1
9	BRUSH ASSY	3629304920	ASSY(NO STAMPING)	1

2) MODEL RC-370B



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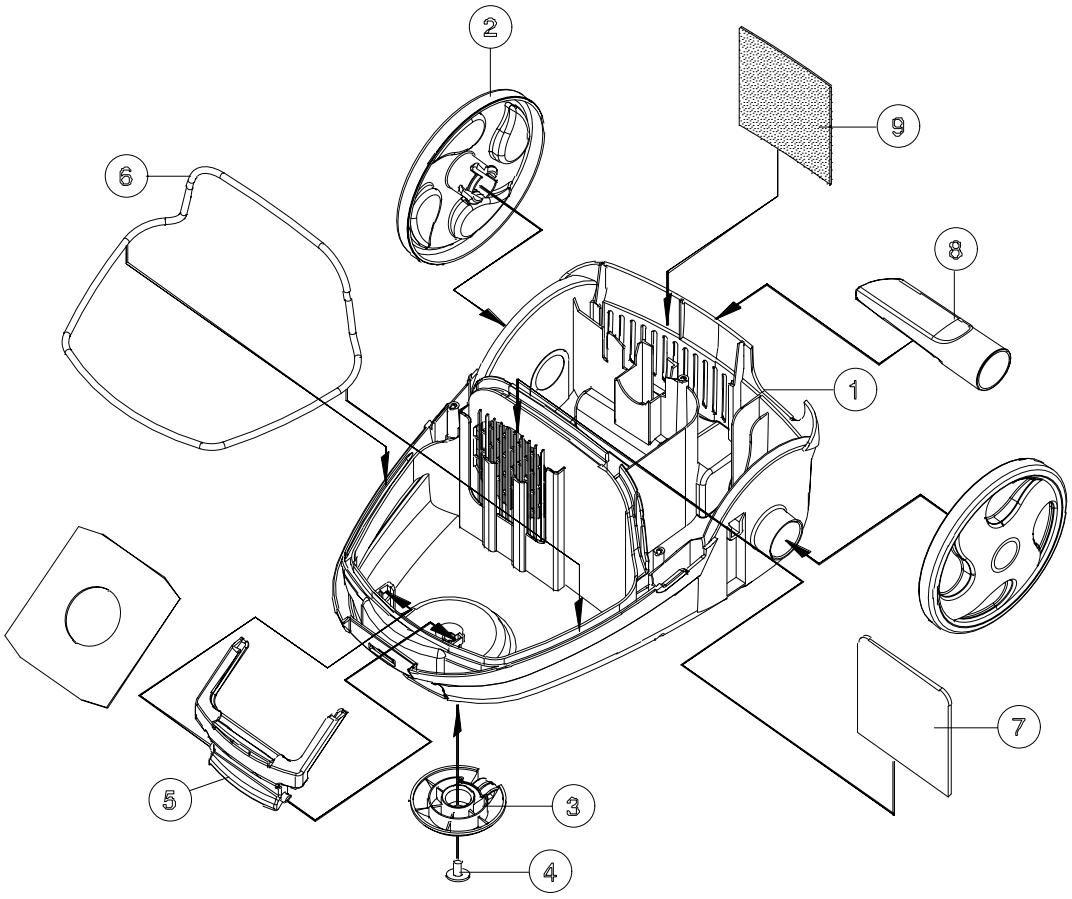
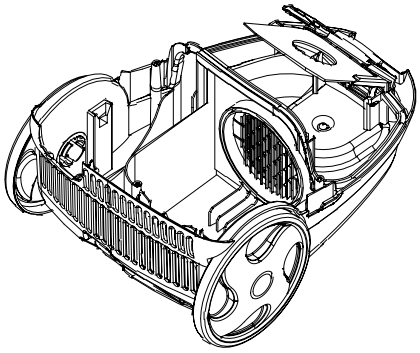
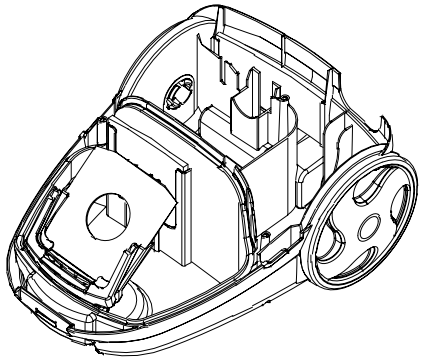
NO	PART NAME	PART CODE	SPECS.	Q'TY
1	BODY ASSY	3620411300	ASSY	1
2	MOTOR UNIVERSAL	3962511450	230V 1100W DMI	1
3	PCB POWER CONTROL AS	3624313000	ASSY(230V,50/60HZ))	1
4	CORD REEL ASSY	3629508100	ASSY(5M)	1
5	COVER ASSY	3621433600	ASSY	1
6	PIPE STEEL	3624403510	SPC T=0.7/32-CR	2
7	NOZZLE CREVICE	3628100600	PP	1
8	HOSE ASSY	3623206300	ASSY(EVA, 1.5M)	1
9	BRUSH ASSY	3629304920	ASSY(NO STAMPING)	1

6-2. BODY ASSEMBLY







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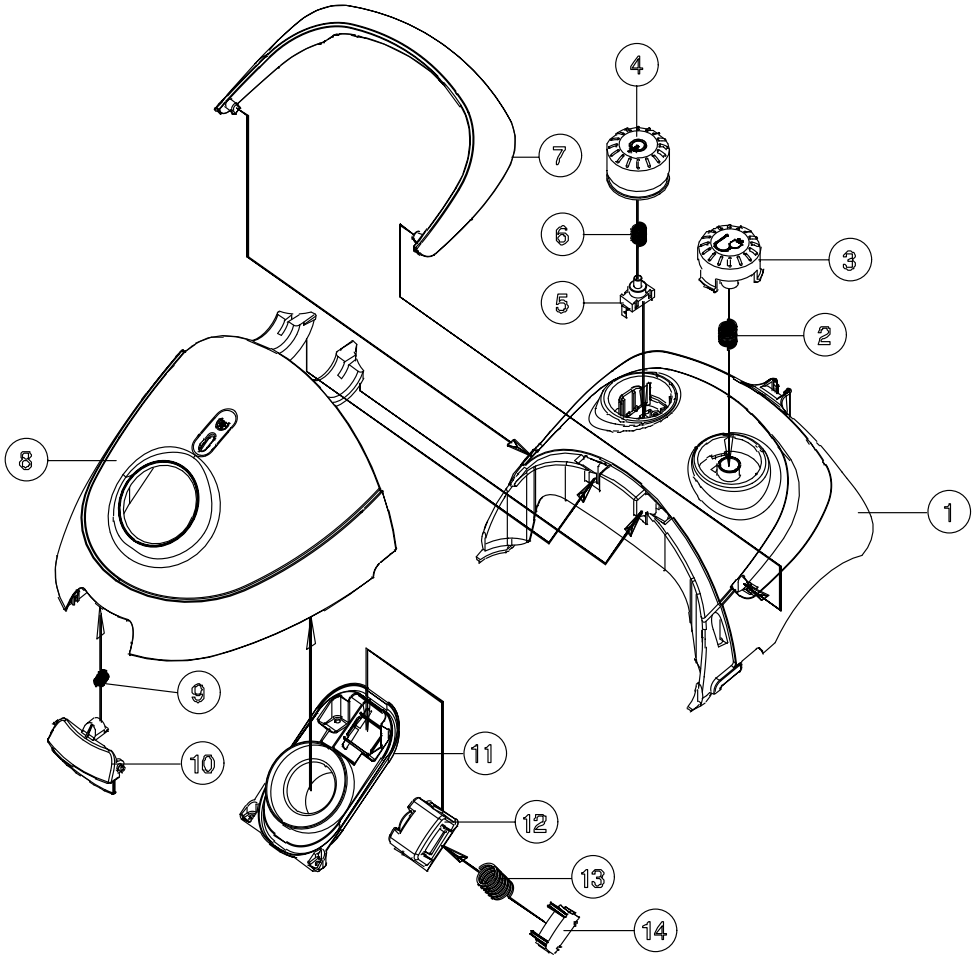
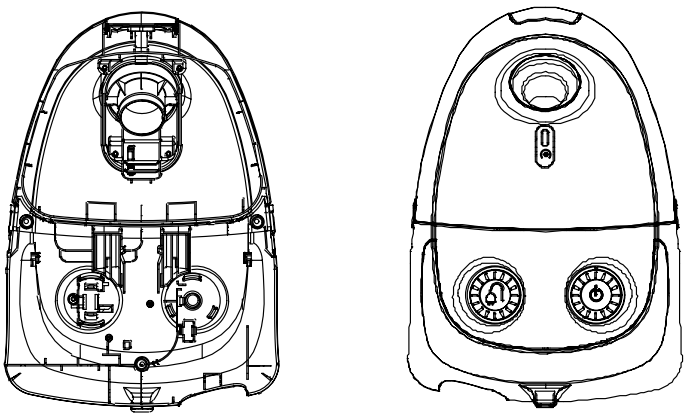
NO	PART NAME	PART CODE	SPECS.	Q'TY
1	BODY	3620410200	PP	1
2	ROLLER BACK	3624705000	PP	2
3	BRACKET ROLLER	3620601500	PP	1
	ROLLER FRONT	3624703600	PP	1
	SHAFT ROLLER	3624901000	SWRM	1
4	SCREW TAPPING	7128401212	T2S WAS 4X12 MFZN BK	1
5	HOLDER FILTER	3623006700	PP	1
6	GASKET	3622301800	NR FOAM , 750MM	1
7	FILTER IN	362190420T	POLYESTER	1
8	NOZZLE CREVICE	3628100600	PP	1
9	FILTER EXHUAST	3621908200	PE+TAPE	1

6-3. COVER ASSEMBLY

1) MODEL RC-370F (3621433600)





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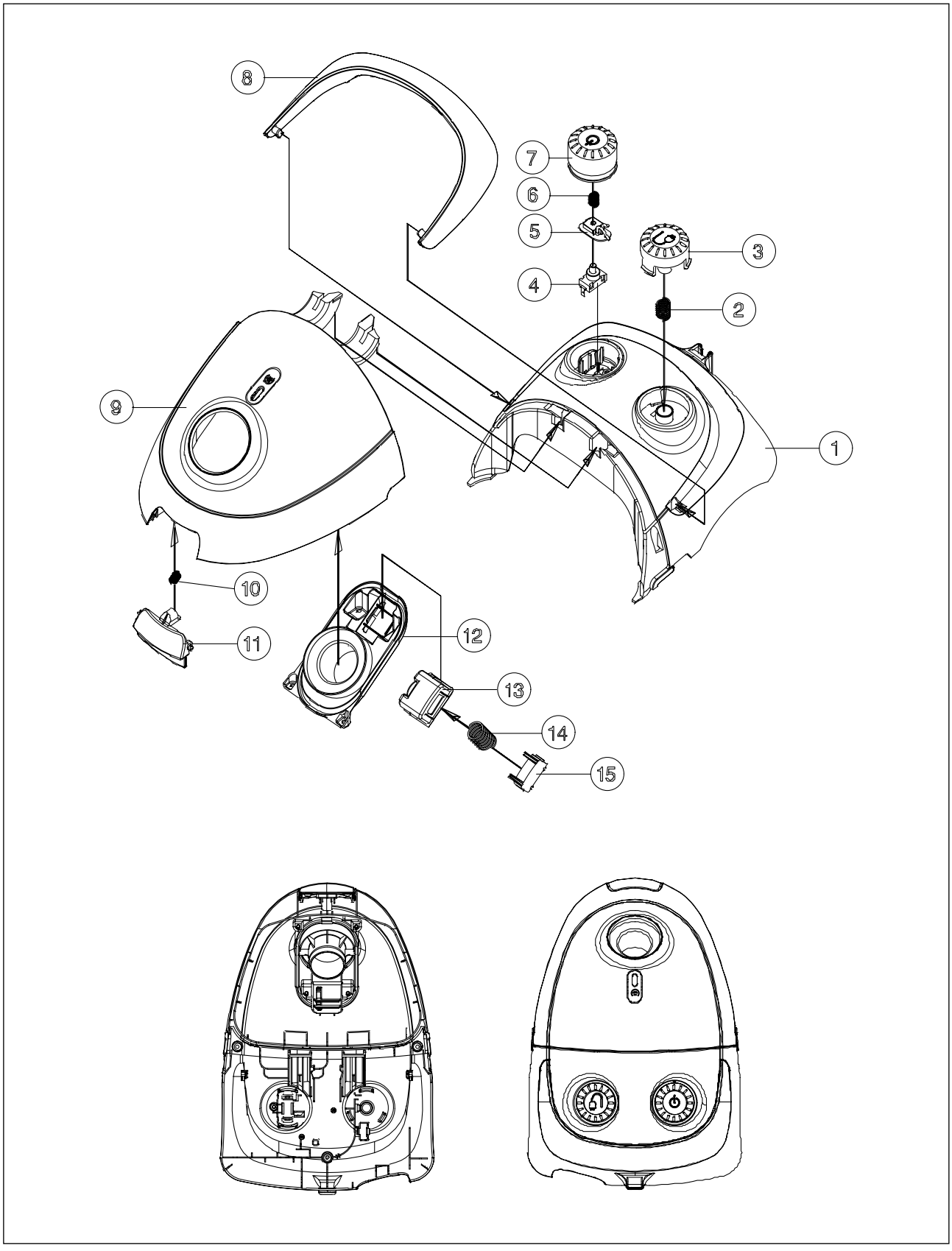
NO	PART NAME	PART CODE	SPECS.	Q'TY
1	COVER BODY	3621433000	ABS	1
2	SPRING BUTTON	3625107400	HSW3	1
3	BUTTON SW	3626606300	ABS	1
4	BUTTON CR	3626606400	ABS	1
5	SWITCH PUSH	3629002000	7A/250V, SKT	1
6	SPRING BUTTON ON/OFF	3625107410	HSW3	1
7	HANDLE	3622603100	ABS	1
8	COVER DUST	3621429100	ABS	1
9	SPRING CLAMP	362510640S	HSW3	1
10	CLAMP COVER	3621202800	ABS	1
11	SOCKET	3629801800	PP	1
12	HOUSING DM	3626100800	GPPS	1
13	SPRING DM	3625109600	SUS	1
14	DUST METER	3629703900	ABS	1

2) MODEL RC-370B (3621433600)



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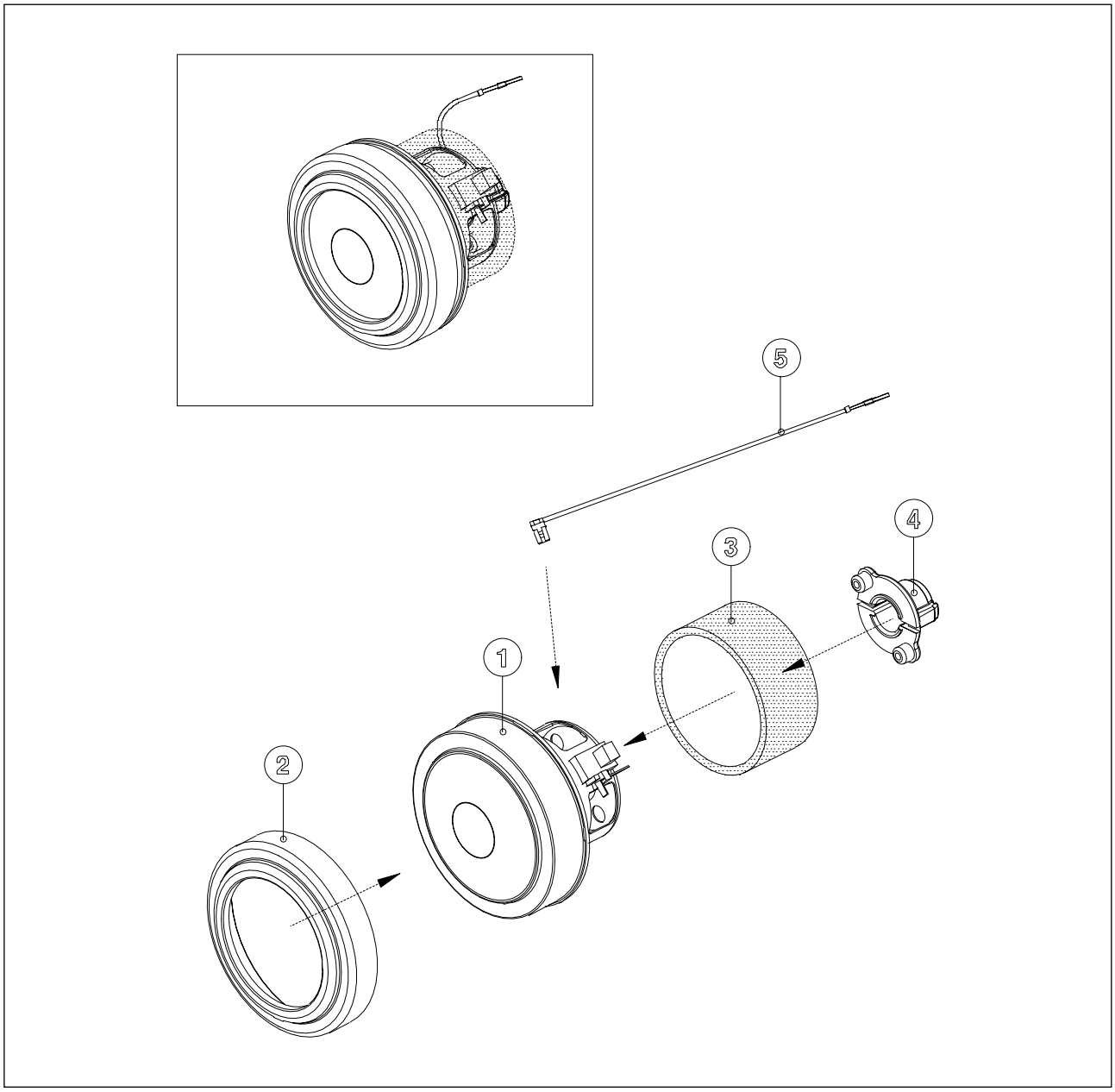
NO	PART NAME	PART CODE	SPECS.	Q'TY
1	COVER BODY	3621433000	ABS	1
2	SPRING BUTTON CR	3625103403	HSW3	1
3	BUTTON CR	3626606400	ABS	1
4	SWITCH PUSH	3629002000	7A/250V	1
5	PCB S/V AS	3624304510		1
6	SPRING BUTTON SW ROTARY	3625107420	HSW3	1
7	BUTTON SW ROTARY	3626606600	ABS	1
8	HANDLE	3622603100	ABS	1
9	COVER DUST	3621429100	ABS	1
10	SPRING CLAMP	3625106400	HSW3	1
11	CLAMP COVER	3621202800	ABS	1
12	SOCKET	3629801800	PP	1
13	HOUSING DM	3626100800	GPPS	1
14	SPRING DM	3625109600	SUS	1
15	DUST METER	3629703900	ABS	1

6-4. MOTOR ASSEMBLY

1) MODEL RC-370F, RC-370B



NO	PART NAME	PART CODE	SPECS.	Q'TY
1	MOTOR UNIVERSAL	3962511450	230V 1100W DMI	1
2	PACKING MOTOR	4560M20101	NR	1
3	ABSORBER SOUND	4569C10071	PU FOAM (T=10)	1
4	MOUNT MOTOR	3627900900	PVC	1

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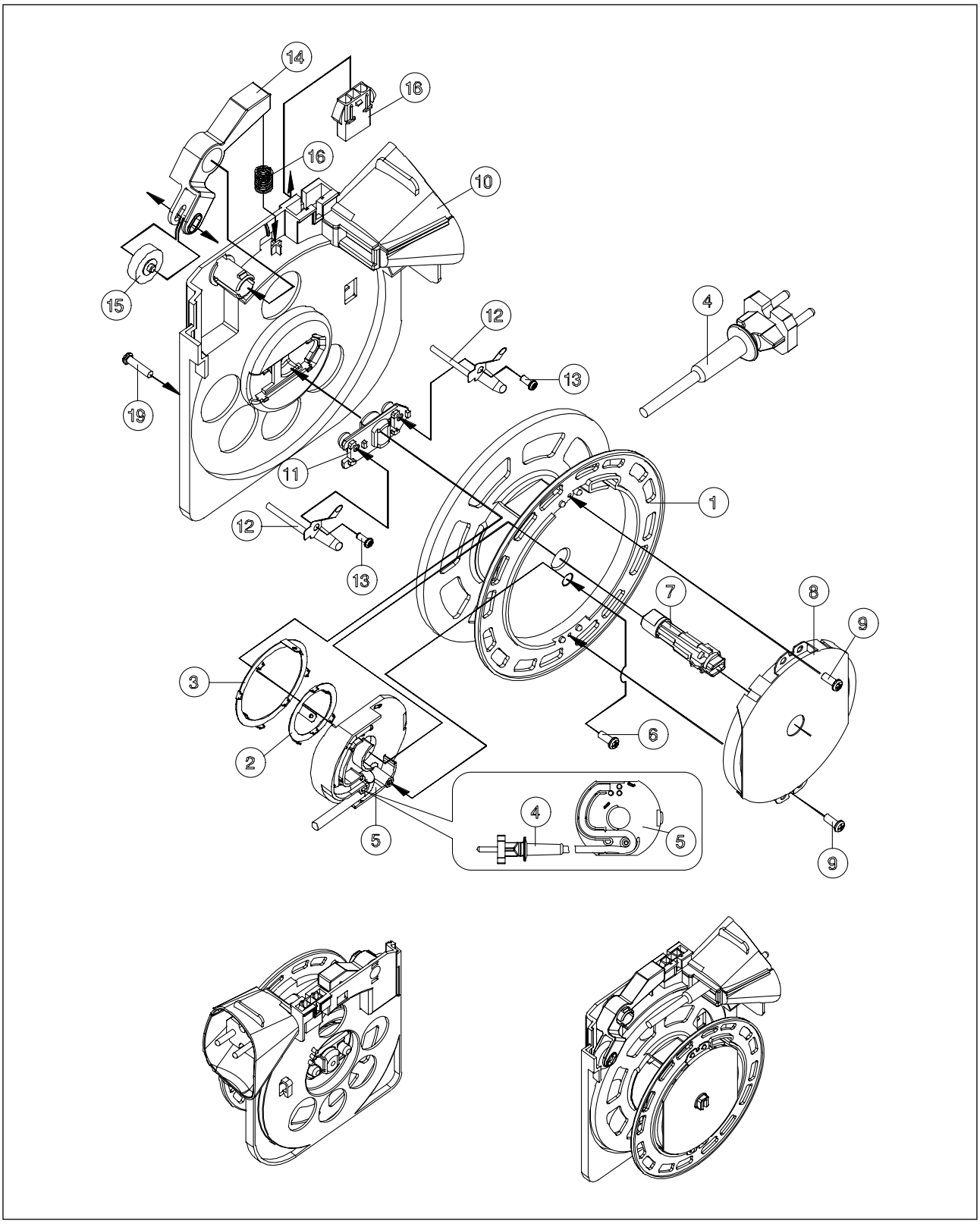
6-5. CORDREEL ASSEMBLY

1) MODEL RC-370F, RC-370B



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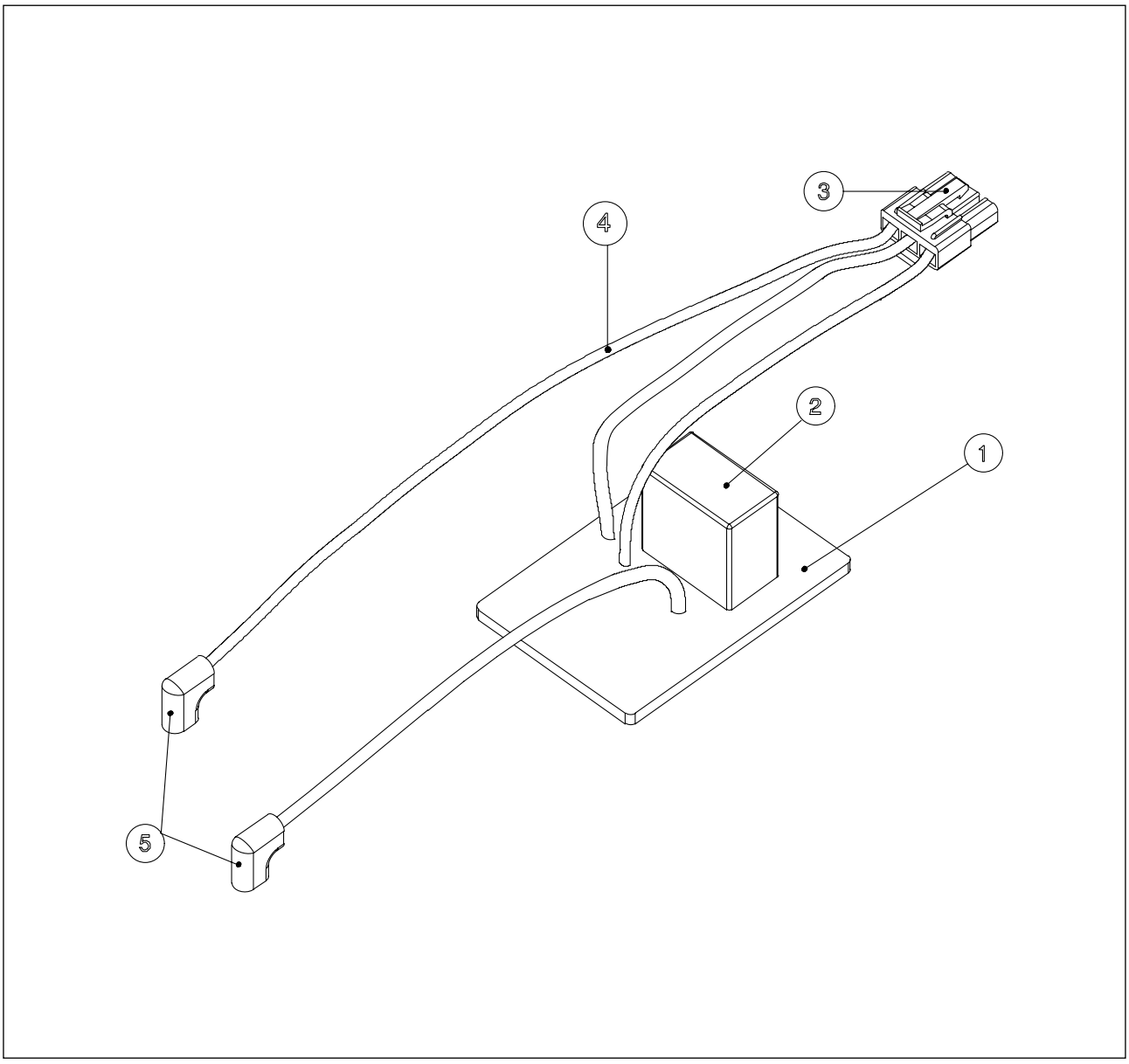
NO	PART NAME	PART CODE	SPECS.	Q'TY
1	BOBBIN	3629200600	PP	1
2	TERMINAL OA	4565A36024	C2600P-1/2H, T=0.3	1
3	TERMINAL OB	4565A36034	C2600P-1/2H, T=0.3	1
4	CORD POWER	3621302550	250V16A H05VVH2F 5.4M	1
5	HOLDER TERMINAL	4565A36010	PP(5101SW, V-0)	1
6	SCREW TAPPING	7121401211	T2S PAN 4X12 MFZN	1
7	SHAFT REEL	3624900510	PC	1
8	SPRING ASSY	3625102000	SUS301£´COVER,3500MM	1
9	SCREW TAPPING	7121300811	T2S PAN 3X8 MFZN	2
10	BRACKET CR	3620602800	PP	1
11	SUPPORTER TERMINAL	3625300500	PP(5101SW)	1
12	HARNESS CR	3622714200	Y TER+WIRE	1
		3622714300	Y TER+WIRE	1
		3622714400	HOUS+WIRE	1
		3622714500	WIRE+REP	1
13	SCREW TAPPING	7121400611	T2S PAN 4X6 MFZN	2
14	LEVER CR	3623703000	ABS	1
15	STOPPER ASSY	3625200200	ASSY	1
16	SPRING LEVER	3625104300	HSW3	1
17	SCREW TAPPING	7122401011	T2S TRS 4X10 MFZN	1
18	WAX VASELINE	2291140301	VASELINE	2
19	SCREW TAPPING	7121401611	T2S PAN 4X16 MFZN	1

6-6. PCB ASSEMBLY

1) MODEL RC-370F

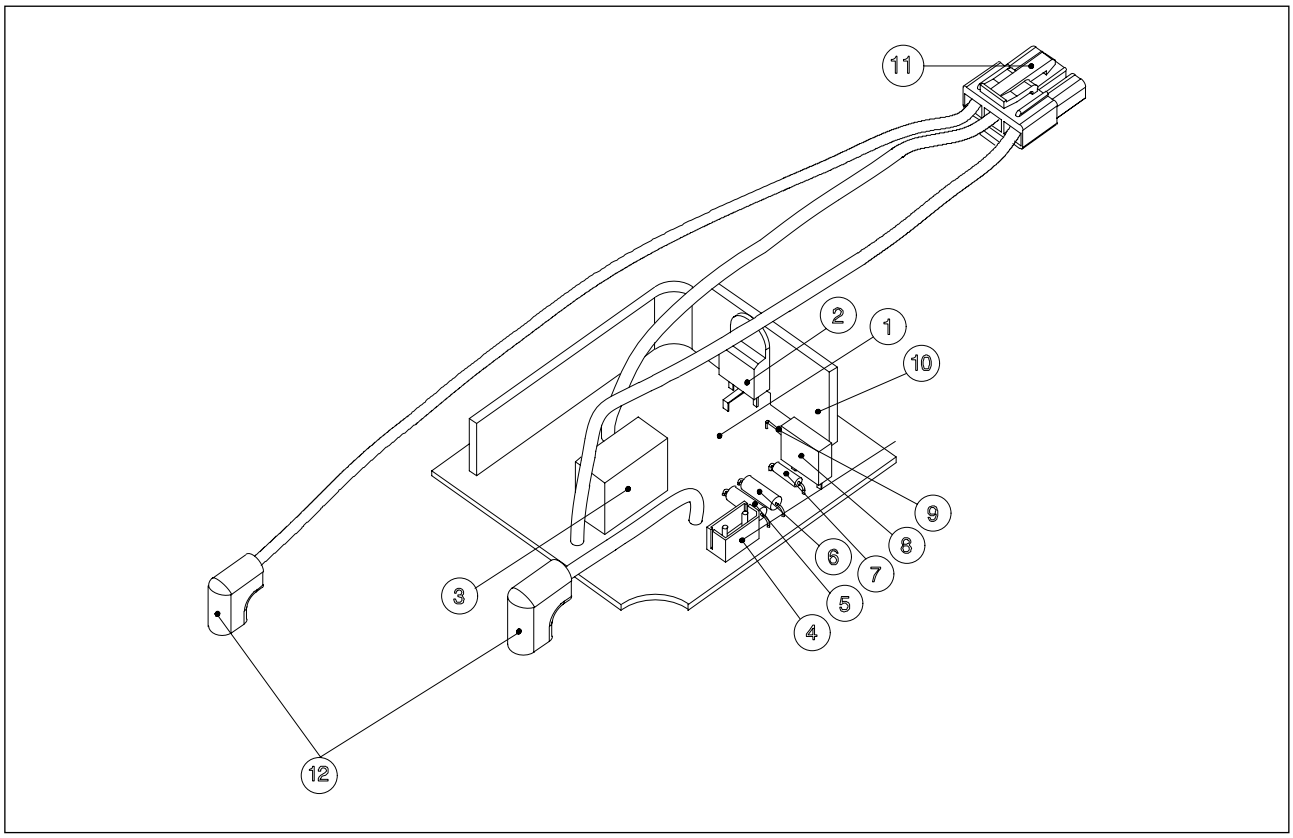


NO	PART NAME	PART CODE	SPECS.	Q'TY
1	PCB BOARD	3624307610	TYPE 1, 105°…, UL 94V-0	1
2	CAPACITOR	CL1DB3224K	0.22UF 275VAC	1
3	HOUSING	~	~	1
4	INTERNAL WIRE	~	90°…, 300V	1
5	SLEEVE	~	105°…, 600V	1

✔ **Caution**: In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(http://svc.dwe.co.kr)

✔ **Caution**: In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(http://svc.dwe.co.kr)

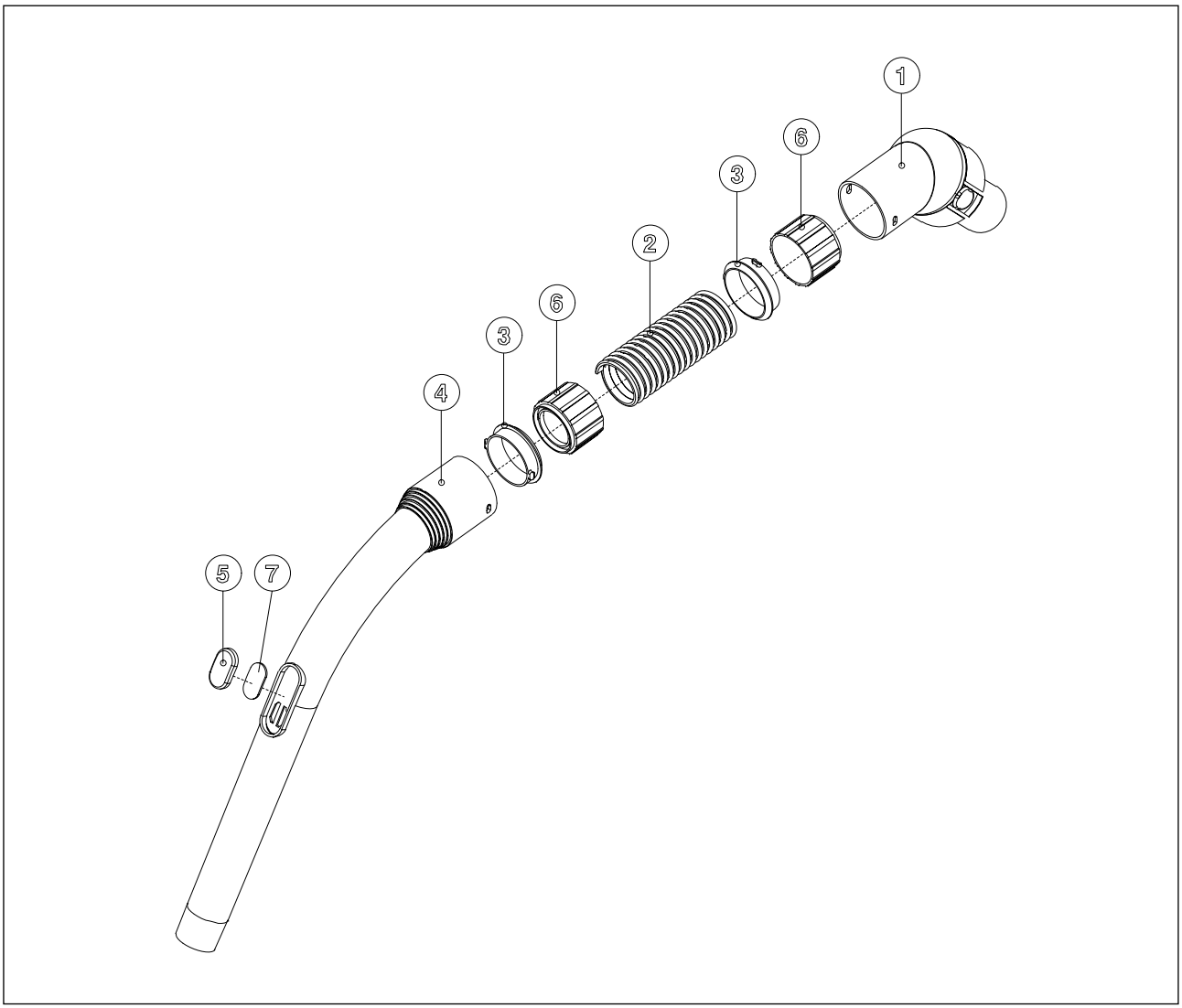
2) MODEL RC-370B



NO	PART NAME	PART CODE	SPECS.	Q'TY
1	PCB BOARD	3624307610	TYPE 1, 105°…, UL 94V-0	1
2	TRIAC	TBTA12600B	~	1
3	CAPACITOR	CL1DB3154K	AC 275V 0.15MF K	1
4	CONNECTOR	485923242Y	~	1
5	RESISTER	RD-2Z103J-	~	1
6	RESISTER	RD-2Z204J-	~	1
7	RESISTER	RD-4Z470J-	~	1
8	CONDENSER	CMXV1J224J	DC 63V, 0.22MF J	1
9	DIAC	DDB4------	DB4	1
10	HEAT SINK	3627400200	45*70, 3T	1
11	HOUSING	~	~	1
12	SLEEVE	~	~	1

6-7. HOSE ASSEMBLY

1) MODEL RC-370F, RC-370B (3623206200)



NO	PART NAME	PART CODE	SPECS.	Q'TY
1	PIPE ADAPTER	3629101700	PP	1
2	HOSE	3623206300	EVA 1,6M(NON-CURRENT)	1
3	HOLDER HOSE	4569A71021	PP	1
4	PIPE HOSE	3624408200	PP	1
5	VALVE AIR	3625400400	PP	1
6	CUFF HOSE	3626800200	LDPE	1
7	PACKING HOSE	3624005900	SPONGE	1

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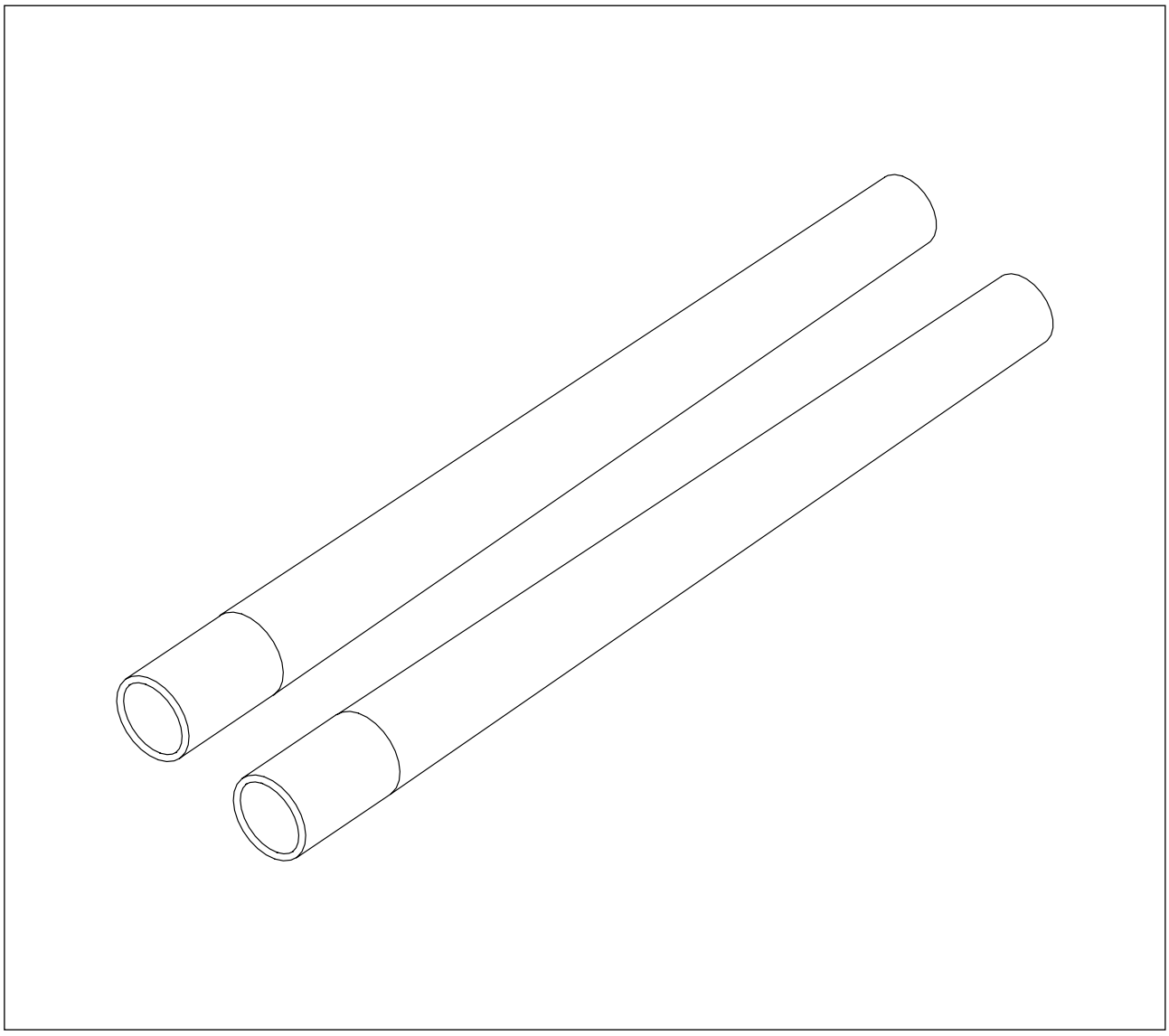
6-8. PIPE ASSEMBLY

1) MODEL RC-370F (3624408500)



NO	PART NAME	PART CODE	SPECS.	Q'TY
1	PIPE	3624408500	PP	2

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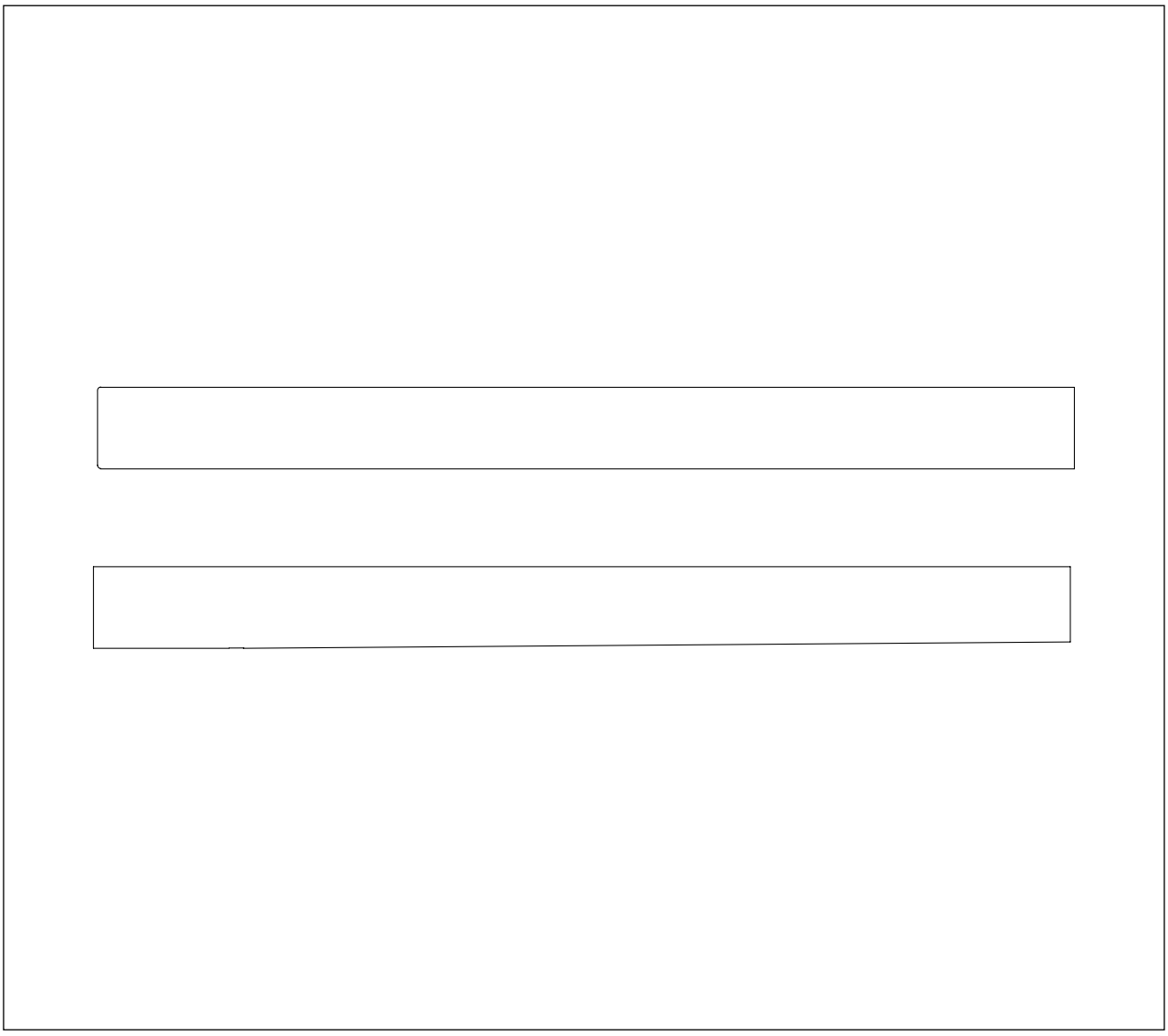
2) MODEL RC-370B (3624403510)



NO	PART NAME	PART CODE	SPECS.	Q'TY
1	PIPE STEEL	3624403510	SPC T=0.7/32 - CR	2

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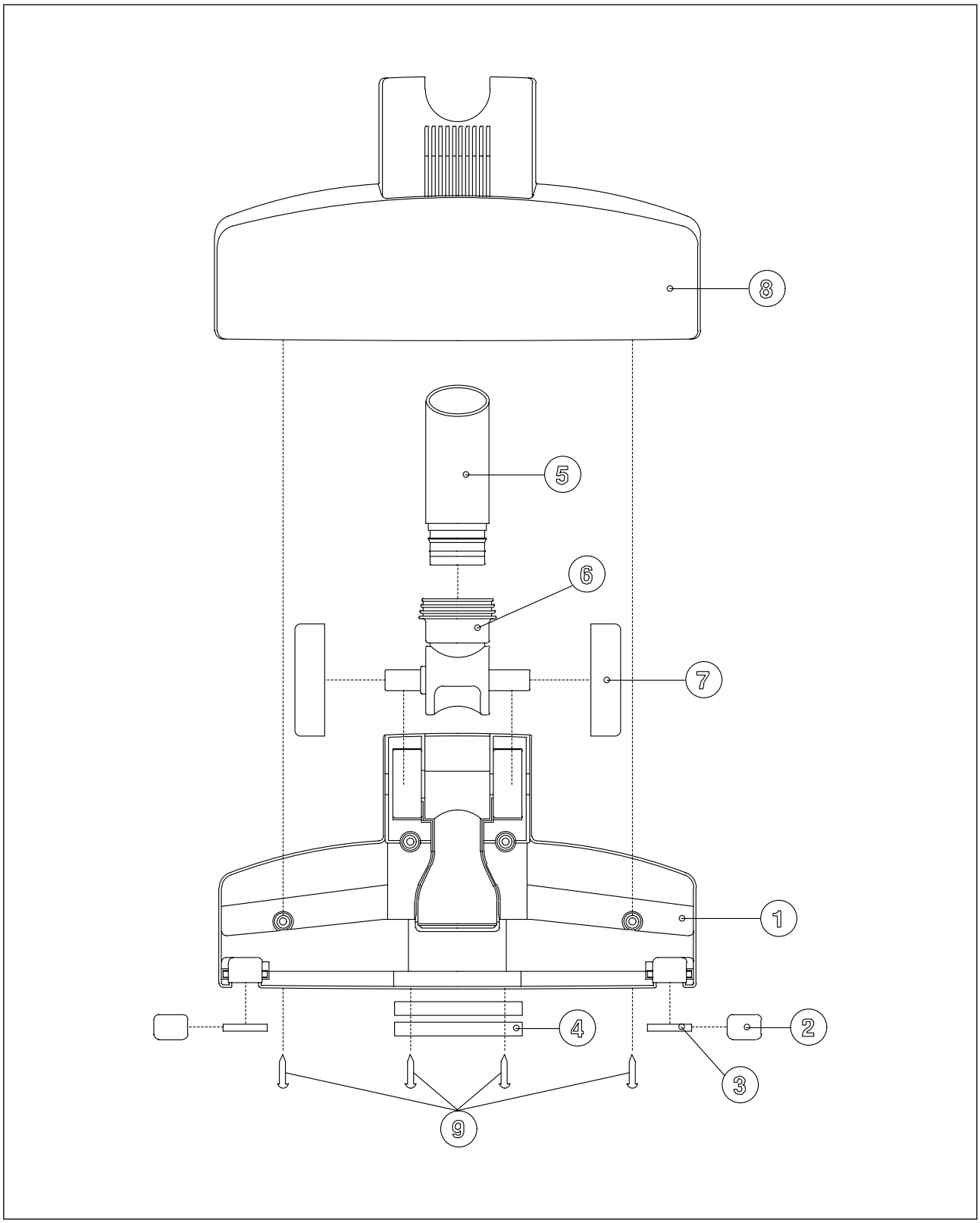
6-9. BRUSH ASSEMBLY

1) MODEL RC-370F, RC-370B (3629304920)



✔ **Caution**: In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service information Center(http://svc.dwe.co.kr)

NO	PART NAME	PART CODE	SPECS.	Q'TY
1	BODY BRUSH	3620406400	PP	1
2	ROLLER-F BRUSH	3624703100	PP	2
3	SHAFT ROLLER	3624900900	PA	2
4	PICKER LITTER	3622700700	PA	2
5	PIPE BRUSH	3624408300	PP	1
6	NECK BRUSH	3628001600	PP	1
7	ROLLER-B BRUSH	3624703000	PP	2
8	COVER BRUSH	3621417200	PP	1
9	SCREW TAPPING	7121401411	T2S PAN 4X14 MFZN BK	4

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